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ABSTRACT

Using drawings of various monsters to explain and enhance the learning activities, this arithmetic/mathematics curriculum guide begins with exercises requiring basic number identification. The remainder of the guide includes over one hundred addition and subtraction activities including crossword puzzles, maps, and number matching. (SH)

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State of New Jersey
Department of Education
Division of Vocational Education

# MONSTER MATH

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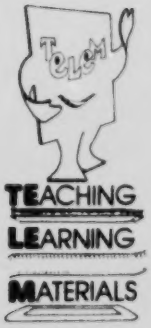


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## ACKNOWLEDGMENTS

The original "monster" drawings, used for two years in the field-test copies of this book, were drawn by John Catanzarite, a student in one of the classes that used the book.

The drawings in this published edition are by Matthew O'Neill, staff artist of the Curriculum Laboratory. Mr. O'Neill used many of the ideas of Mr. Catanzarite, and added many more of his own.

| | | | | |
|---|---|---|---|---|
| 1 | one | ○ | one | 1 |
| 2 | two | ○○ | two | 2 |
| 3 | three | ○○○ | three | 3 |
| 4 | four | ○○○○ | four | 4 |
| 5 | five | ○○○○○ | five | 5 |

Write 2 ways:

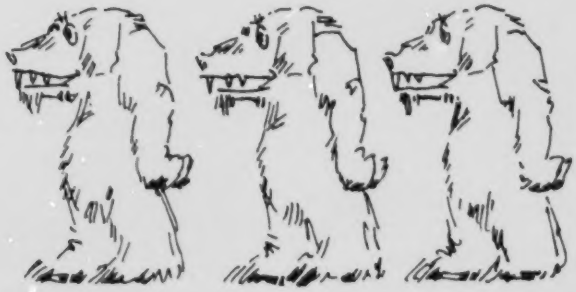
1 1 one 3 4

2 5

1 one

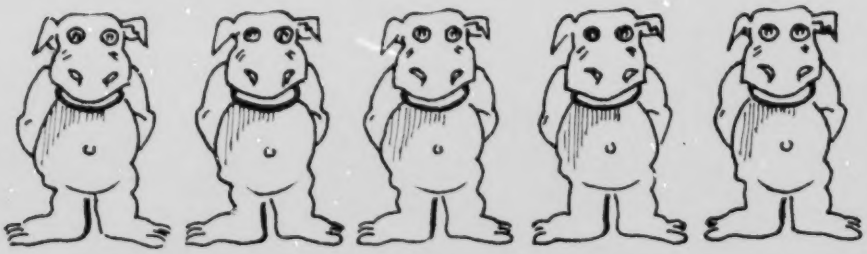
2 two

3 three



4 four

5 five



Write the missing numbers on the lines.

| | | | | | |
|---|---|---|---|---|---|
| 1 _____ | three ___ | ○○○○ | 4 | four | |
| 2 _____ | one ___ | ○○ | ___ | _____ | |
| 3 _____ | five ___ | ○ | ___ | _____ | |
| 4 _____ | two ___ | ○○○○○ | ___ | _____ | |
| 5 _____ | four ___ | ○○○ | ___ | _____ | |

# COPY MORE NUMBERS.

| | | | | |
|---|---|---|---|---|
| 6 | six | OOOOOO | six | 6 |
| 7 | seven | OOOOOOO | seven | 7 |
| 8 | eight | OOOOOOOO | eight | 8 |
| 9 | nine | OOOOOOOOO | nine | 9 |
| 10 | ten | OOOOOOOOOO | ten | 10 |

Write 2 ways

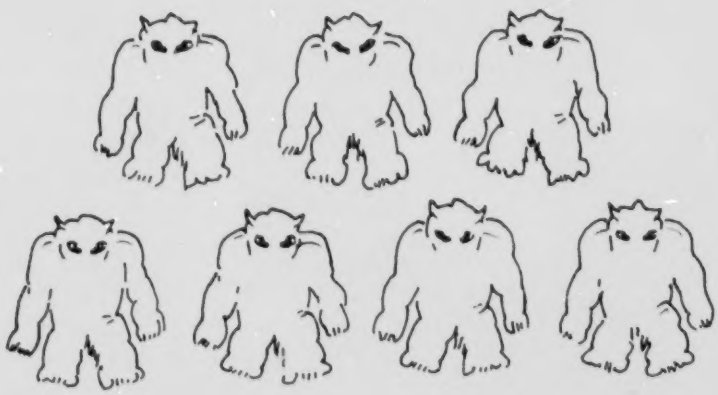
| | | | | | | |
|---|---|---|---|---|---|---|
| 6 | 6 | six | 8 | | 9 | |
| 7 | | | | | 10 | |

Fill in the blanks.

| | |
|---|---|
| 6 | six |
| ___ | six |
| 6 | ___ |
| ___ | ___ |
| ___ | ___ |

---

| | |
|---|---|
| 7 | seven |
| ___ | seven |
| 7 | ___ |
| ___ | ___ |
| ___ | ___ |



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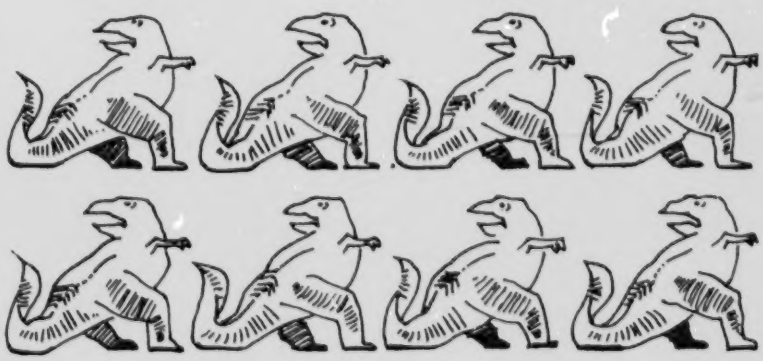
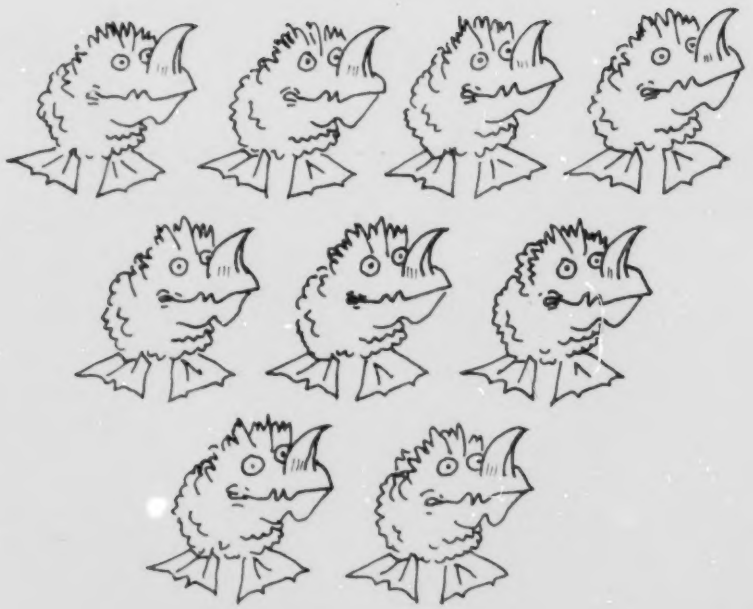
| | |
|---|---|
| 8 | eight |
| ___ | eight |
| 8 | ___ |
| ___ | ___ |
| ___ | ___ |



Fill in the blanks.

| | |
|---|---|
| 9 | nine |
| ___ | nine |
| 9 | ___ |
| ___ | ___ |
| ___ | ___ |



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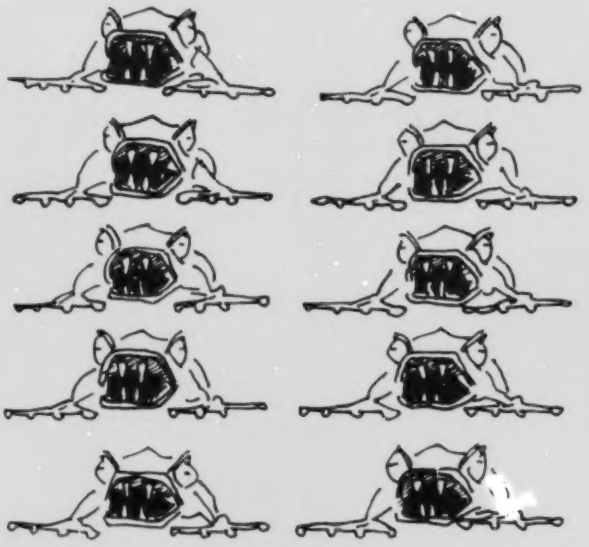
| | |
|---|---|
| 10 | ten |
| ___ | ten |
| 10 | ___ |
| ___ | ___ |
| ___ | ___ |



| | | | |
|---|---|---|---|
| 1 | one | 6 | six |
| 2 | two | 7 | seven |
| 3 | three | 8 | eight |
| 4 | four | 9 | nine |
| 5 | five | 10 | ten |

Write the missing numbers.

| | | | | | |
|---|---|---|---|---|---|
| 1 | ____ | 3 | _____ | ten | _____ |
| 2 | ____ | seven | _____ | nine | _____ |
| 3 | ____ | four | _____ | 8 | _____ |
| 4 | ____ | 9 | _____ | 7 | _____ |
| 5 | ____ | five | _____ | six | _____ |
| 6 | ____ | one | _____ | 5 | _____ |
| 7 | ____ | 6 | _____ | 4 | _____ |
| 8 | ____ | 2 | _____ | three | _____ |
| 9 | ____ | eight | _____ | two | _____ |
| 10 | ____ | 10 | _____ | 1 | _____ |

Write the numbers 1 — 10.

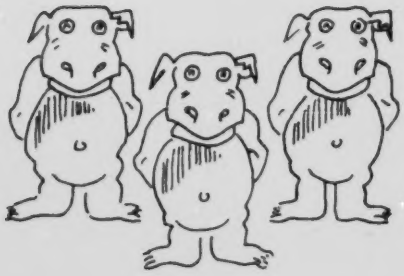
1 _____ _____ _____ _____ _____ _____ _____ _____ _____ 0

Match. Draw a line.

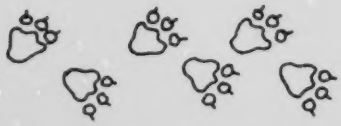
4

9

10



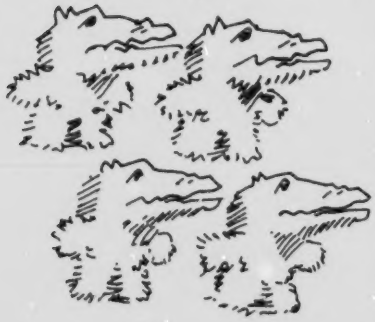
1



8

6

7



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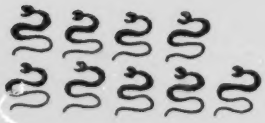


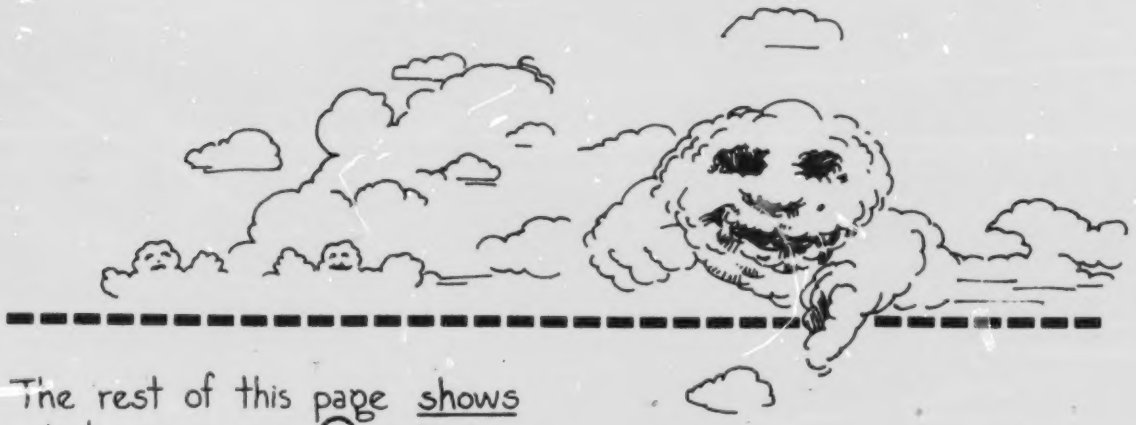
2

3

| | |
|---|---|
| one | 4 |
| two | 7 |
| three | 3 |
| four | 1 |
| five | 10 |
| six | 6 |
| seven | 9 |
| eight | 8 |
| nine | 2 |
| ten | 5 |

The number 0 is zero.

Zero means none, or nothing is there.



The rest of this page shows what zero or O means.

Circle the numbers that are wrong.

Wolfman did you a favor, or two!

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |
| 8 | 1 | 9 | 2 | 4 | 5 | 3 | 7 | 5 |
| 6 | 4 | 2 | 5 | 9 | 7 | – | 3 | 4 |
| 0 | 9 | 5 | 3 | 1 | 5 | 0 | 4 | 8 |
| 7 | 3 | 6 | 0 | 7 | 4 | 2 | 1 | 5 |
| 5 | 8 | 3 | 5 | 1 | 7 | 0 | 3 | 7 |
| 3 | 1 | 4 | 8 | 2 | 5 | 8 | 9 | 2 |
| 4 | 6 | 5 | 7 | 9 | 4 | 1 | 2 | 7 |

Can you (circle) the bigger numbers?

| | | | | | |
|---|---|---|---|---|---|
| 9 7 | 4 1 | 4 5 | 2 1 | 8 4 | 10 9 |
| 3 6 | 8 9 | 3 7 | 6 5 | 4 6 | 8 2 |
| 1 5 | 6 7 | 10 5 | 4 7 | 3 2 | 1 2 |

How many spelled-out numbers can you find?

| t | e | s | i | x | o | t | e | n | i |
|---|---|---|---|---|---|---|---|---|---|
| f | u | o | t | h | r | e | e | t | f |
| x | s | n | t | e | n | x | u | w | i |
| t | t | e | w | w | g | i | g | o | v |
| i | h | e | o | f | w | r | n | u | e |
| o | n | r | o | i | s | e | v | e | n |
| w | e | s | e | v | i | o | t | u | r |
| o | w | o | r | e | f | u | w | g | x |
| n | f | n | o | n | e | f | o | u | r |
| u | w | e | i | g | h | t | s | o | s |

The monsters found:

2 ones, 3 twos, 2 threes, 1 four,

2 fives, 1 six, 1 seven, 1 eight,

1 nine, 2 tens.

# NUMBER RELATIONS

$=$ means numbers are the same.

$4 = 4$ or 4 equals 4

This sign $<$ always points to the smaller number.

$3 < 7$ 3 is less than 7

$8 > 2$ 8 is bigger than 2

Put in the right signs here.

| | | | |
|---|---|---|---|
| $7 > 3$ | $5 > 1$ | $7 \quad 1$ | $5 = 5$ |
| $9 \quad 5$ | $4 \quad 6$ | $9 > 8$ | $4 \quad 8$ |
| $3 < 7$ | $7 \quad 7$ | $6 \quad 2$ | $9 \quad 2$ |
| $2 = 2$ | $2 \quad 8$ | $3 \quad 4$ | $3 \quad 9$ |
| $5 < 7$ | $7 \quad 10$ | $8 \quad 9$ | $4 \quad 7$ |
| $9 \quad 3$ | $1 \quad 3$ | $9 \quad 8$ | $6 \quad 5$ |
| $2 \quad 10$ | $9 \quad 6$ | $7 \quad 5$ | $4 \quad 6$ |
| $4 \quad 8$ | $4 \quad 1$ | $5 \quad 7$ | $9 \quad 3$ |

Remember ⇝ This sign [=] means

numbers are the same. 7 = 7

This sign [<] always points to the smaller number.

3 < 5

Circle the numbers that have the right sign between them.

| | | |
|---|---|---|
| (4 = 4) | 5 < 1 | 10 > 8 |
| 6 = 7 | 4 = 9 | 5 < 0 |
| 7 > 7 | 2 = 2 | 3 < 7 |
| 9 > 10 | 2 > 3 | 9 > 2 |
| (10 > 9) | 4 < 10 | 2 < 9 |
| 6 < 4 | 7 = 7 | 0 = 0 |
| 2 < 6 | 5 = 7 | 5 > 8 |
| 2 < 3 | 6 < 10 | 3 > 1 |
| 6 < 7 | 9 > 3 | 10 < 4 |

Add means put together,

+ means add.

4 + 3 means 4 and 3 together.

Add these numbers:

1 + 1 = 2

□+□

1 + 1 = ____

□+□

1 + 2 = ____

□+□□

1 + 3 = ____

□+□□□

1 + 4 = ____

□+□□□□

1 + 5 = ____

□+□□□□□

1 + 6 = ____

□+□□□□□□

1 + 7 = ____

□+□□□□□□□

1 + 8 = ____

□+□□□□□□□□

1 + 9 = ____

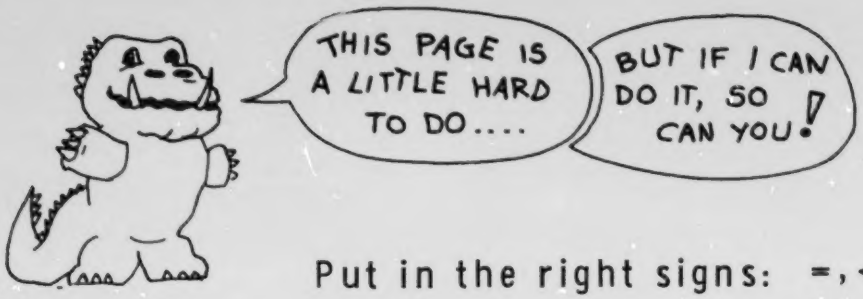
□+□□□□□□□□□

B-1

Can you add ?

How quickly can you do this ?

| | | | |
|---|---|---|---|
| 1 + 1 = ____ | 1 + 6 = ____<br>6 + 1 = ____ | 1 + 8 = ____<br>1 + 6 = ____ | 3 + 1 = ____<br>2 + 1 = ____ |
| 1 + 2 = ____<br>2 + 1 = ____ | 1 + 7 = ____<br>7 + 1 = ____ | 7 + 1 = ____<br>4 + 1 = ____ | 8 + 1 = ____<br>1 + 4 = ____ |
| 1 + 3 = ____<br>3 + 1 = ____ | 1 + 8 = ____<br>8 + 1 = ____ | 1 + 5 = ____<br>1 + 2 = ____ | 1 + 9 = ____<br>5 + 1 = ____ |
| 1 + 4 = ____<br>4 + 1 = ____ | 1 + 9 = ____<br>9 + 1 = ____ | 9 + 1 = ____<br>1 + 1 = ____ | 1 + 7 = ____<br>6 + 1 = ____ |
| 1 + 5 = ____<br>5 + 1 = ____ | | | |




Put in the right signs: =, <, >

Like this : 8 + 1 1 + 6

8 + 1 = 9 1 + 6 = 7

9 > 7

SO

8 + 1 > 1 + 6

| | | | |
|---|---|---|---|
| 1 + 5 = 5 + 1<br>6 = 6 | 4 + 1 5 + 1 | 1 + 7 4 + 1 | 1 + 8 8 + 1 |
| 1 + 7 < 9 + 1<br>8 < 10 | 3 + 1 1 + 9 | 1 + 8 1 + 6 | 5 + 1 1 + 5 |
| 1 + 1 2 + 1 | 8 + 1 9 + 1 | 2 + 1 1 + 3 | 2 + 1 1 + 2 |
| 3 + 1 1 + 3 | 4 + 1 1 + 4 | 6 + 1 1 + 6 | 1 + 7 7 + 1 |
| 6 + 1 1 + 5 | 8 + 1 1 + 5 | 3 + 1 7 + 1 | 4 + 1 1 + 4 |
| 7 + 1 1 + 7 | 6 + 1 1 + 1 | 9 + 1 1 + 9 | 1 + 3 3 + 1 |

Subtract means take away.

This sign [-] tells you to subtract.

5 - 1 = 4 means

5 take away 1 leaves 4.

Subtract. Take away 1.

10 - 1 = 9

o o o o o
o o o o ⊗

9 - 1 = ___

o o o o o
o o o ⊗

8 - 1 = ____

o o o o o o o ⊗

7 - 1 = ____

o o o o
o o ⊗

6 - 1 = ____

o o o o o ⊗

5 - 1 = ____

o o o o ⊗

4 - 1 = ____

o o o ⊗

3 - 1 = ____

o o ⊗

2 - 1 = ____

o ⊗

1 - 1 = ____

⊗

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 4 | 7 | 5 | 1 | 3 | 6 | 2 | 10 | 9 |
| -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 | -1 |
| ___ | ___ | ___ | ___ | ___ | ___ | ___ | ___ | ___ |

8 - 1 = ___ 4 - 1 = ___ 7 - 1 = ___ 9 - 1 = ___

It took us a long time to make this page.

So, we are not going to give you any help.

No help, no pictures, no friendly monsters,

NOTHING! Just do it.

| | | | |
|---|---|---|---|
| 2 + 1 = ___ | 2 + 5 = ___ | 8 + 2 = ___ | 7 + 2 = ___ |
| 1 + 2 = ___ | 5 + 2 = ___ | 2 + 2 = ___ | 2 + 8 = ___ |
| 2 + 2 = ___ | 2 + 6 = ___ | 4 + 2 = ___ | |
| 2 + 3 = ___ | 6 + 2 = ___ | 2 + 6 = ___ | |
| 3 + 2 = ___ | 2 + 7 = ___ | 3 + 2 = ___ | |
| 2 + 4 = ___ | 7 + 2 = ___ | 2 + 1 = ___ | |
| 4 + 2 = ___ | 2 + 8 = ___ | 5 + 2 = ___ | |

# DRACULA'S DIET

Fill in these blanks first.

7+2 = ___ C

5+2 = ___ E

2+4 = ___ H

1+1 = ___ I

2+3 = ___ A

1+3 = ___ N

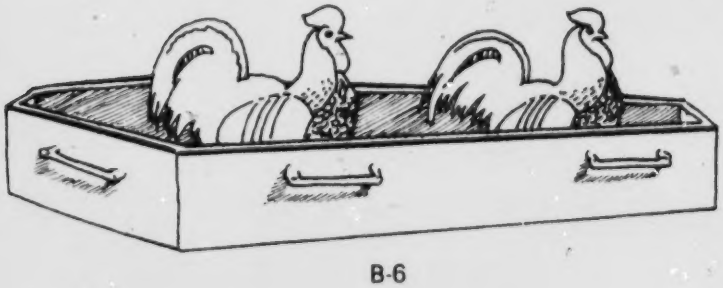
8+2 = ___ S

1+2 = ___ T

7+1 = ___ K

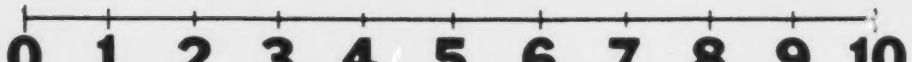
Now write the letters on these lines to find out what food Dracula likes best of all.

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9 | 6 | 2 | 9 | 8 | 7 | 4 | | | 2 | 4 | | | | |
| | | | | 5 | | | 9 | 5 | 10 | 8 | 7 | 3 | | |



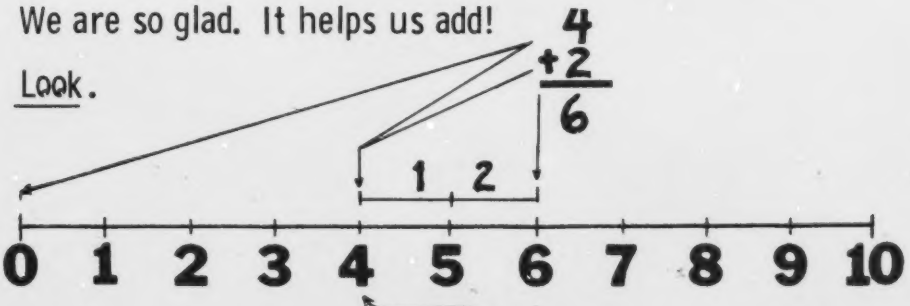
This is a

# NUMBER LINE




We are so glad. It helps us add!

Look.

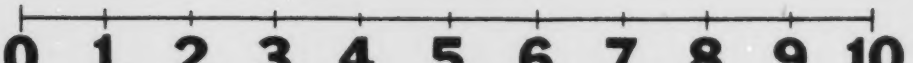



➔ Count to the first number, 4.

➔ From there - count up the number of spaces the second number tells you — 2.

➔ You will land on your answer.

Add. Use the number line.



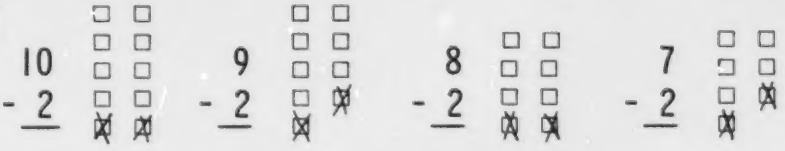

1 + 3 = ___ 2 + 4 = ___ 1 + 6 = ___ 2 + 3 = ___

3 + 2 = ___ 1 + 2 = ___ 8 + 1 = ___ 7 + 2 = ___

# Subtract.

Take away 2.

We did it and so can you!




| 6 | 5 | 4 | 3 | 2 |
|---|---|---|---|---|
| -2 | - 2 | - 2 | - 2 | - 2 |

8 - 2 = ___ 6 - 2 = ___ 4 - 2 = ___ 2 - 2 = ___

10 - 2 = ___ 7 - 2 = ___ 9 - 2 = ___ 5 - 2 = ___

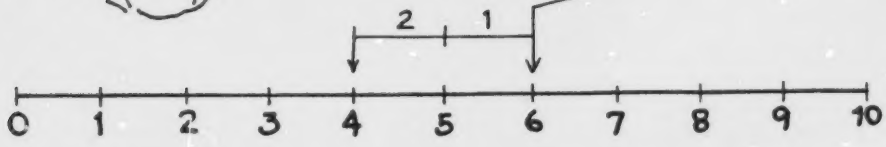
---

## Can you write the right sign? > < =

| | | |
|---|---|---|
| 4 - 1 > 3 - 2<br>4 - 1 = 3 3 - 2 = 1<br>3 > 1 | 5 - 2 3 - 1 | 7 - 2 8 - 1 |
| 6 - 2 5 - 1 | 9 - 2 10 - 1 | 7 - 2 7 - 1 |
| 2 - 2 4 - 2 | 6 - 1 4 - 2 | 3 - 2 2 - 1 |

YOU CAN USE A NUMBER LINE TO SUBTRACT. LOOK.

$$\begin{array}{r} 6 \\ -2 \\ \hline 4 \end{array}$$

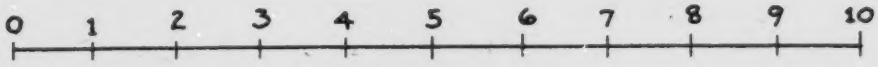



➘ Start at the first number — 6.

➘ From there, count down the number of spaces the second number tells — 2.

➘ You will land on your answer.

---




| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 9 | 8 | 6 | 5 | 4 | 2 | 4 | 7 |
| -1 | -2 | -2 | -1 | -2 | -1 | -1 | -2 |
| | | | | | | | |
| 8 | 2 | 3 | 5 | 6 | 7 | 9 | 3 |
| -1 | -2 | -1 | -2 | -1 | -1 | -2 | -2 |

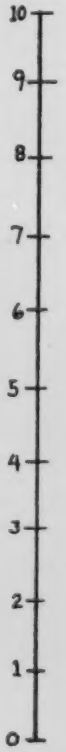
Adding can be done like this, too.

| | | | |
|---|---|---|---|
| 3 1<br>+1 +3 | 3 2<br>+2 +3 | 3 3<br>+3 +3 | 3 4<br>+4 +3 |

I did them. Can you?

| | | |
|---|---|---|
| 3 5<br>+5 +3 | 3 6<br>+6 +3 | 3 7<br>+7 +3 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 3<br>+2 | 3<br>+4 | 3<br>+1 | 3<br>+5 | 6<br>+3 | 2<br>+3 | 7<br>+3 |
| 1<br>+3 | 5<br>+3 | 4<br>+3 | 3<br>+2 | 3<br>+7 | 6<br>+3 | 3<br>+5 |
| 4<br>+3 | 3<br>+3 | 2<br>+3 | 1<br>+3 | 3<br>+6 | 3<br>+4 | 5<br>+3 |




B-10

Use the same numbers you did before,

But now subtract.

Use the number line if you need help.

| 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 |
|---|---|---|---|---|---|---|---|
| -3 | -3 | -3 | -3 | -3 | -3 | -3 | -3 |

---

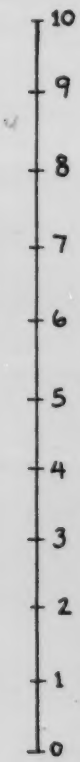
4 - 3 = ____ 5 - 3 = ____ 7 - 3 = ____ 6 - 3 = ____

9 - 3 = ____ 10 - 3 = ____ 3 - 3 = ____ 8 - 3 = ____

| 7 books | 4 bats | 10 rats |
|---|---|---|
| -3 books | - 3 bats | - 3 rats |

| 5 boys | 8 girls | 9 poison bottles |
|---|---|---|
| - 3 boys | - 3 girls | - 3 poison bottles |

6 pens - 3 pens = _____




B-11

Put the right sign between each pair.

Let the monsters help you remember.

| | | | |
|---|---|---|---|
| 1 + 1 < 3 + 1<br>2 < 4 | 6 - 2 > 1 + 2<br>4 > 3 | 7 + 2 3 + 6 | When you are done, make up some. Use numbers or MONSTERS. |
| 2 + 4 5 + 2 | 4 + 2 2 + 4 | 9 - 1 3 + 7 | |
| 7 - 3 3 + 5 | 5 + 1 1 + 7 | 4 + 1 3 + 2 | |
| 4 + 1 1 + 5 | 3 + 2 5 - 3 | 3 + 3 2 + 2 | |
| 7 + 2 3 + 6 | 1 + 1 2 - 2 | 4 + 2 9 + 1 | |
| 7 + 2 3 + 7 | 3 + 3 2 + 4 | 8 - 1 6 + 3 | |
| 9 - 1 8 + 1 | 5 + 1 2 + 3 | 7 + 2 5 + 1 | |
| | 1 + 2 2 + 1 | | |

Here are more numbers to add.

Do it before this doctor goes mad!

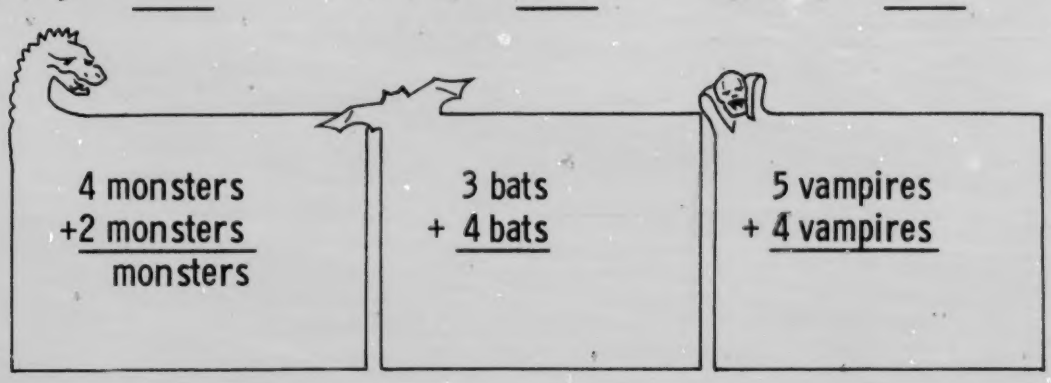
| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 4 | 1 | 4 | 2 | 4 | 3 | 4 | 4 | 4 | 5 | 4 | 6 |
| +1 | +4 | +2 | +4 | +3 | +4 | +4 | +4 | +5 | +4 | +6 | +4 |

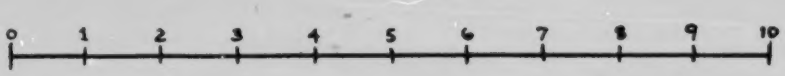
4 + 3 = ____ 2 + 4 = ____ 4 + 6 = ____

4 + 4 = ____ 5 + 4 = ____ 4 + 3 = ____

6 + 4 = ____ 4 + 2 = ____ 4 + 1 = ____

4 + 5 = ____ 1 + 4 = ____ 3 + 4 = ____



# Subtract. If you need a number line, Make it yourself! over here

| | | | | | | |
|---|---|---|---|---|---|---|
| 10 | 9 | 8 | 7 | 6 | 5 | 4 |
| - 4 | - 4 | - 4 | - 4 | - 4 | - 4 | - 4 |

4 - 4 = ___ 9 - 4 = ___ 8 - 4 = ___ 5 - 4 = ___

7 - 4 = ___ 6 - 4 = ___ 10 - 4 = ___ 4 - 4 = ___

---

A take-away review, just for you.

Put in the signs: >, =, <

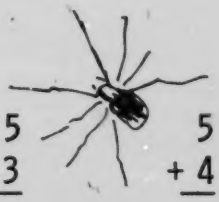
| | | | |
|---|---|---|---|
| 10 - 4 | 8 - 4 | 6 - 1 | 5 - 3 |
| 7 - 1 | 10 - 2 | 4 - 3 | 5 - 1 |
| 6 - 3 | 8 - 3 | 3 - 2 | 2 - 1 |
| 9 - 1 | 4 - 2 | 3 - 2 | 9 - 3 |
| 3 - 1 | 10 - 2 | 8 - 2 | 9 - 2 |
| 5 - 2 | 6 - 3 | 6 - 4 | 3 - 3 |
| 7 - 4 | 6 - 4 | 5 - 4 | 6 - 2 |
| 8 - 2 | 7 - 1 | 6 - 2 | 8 - 1 |

B-14

My spiders are hungry.
They might eat you.
Better get to the food
before they do!

| | | | | |
|---|---|---|---|---|
| 5 + 1 = ___<br>1 + 5 = ___ | 5 + 2 = ___<br>2 + 5 = ___ | 5 + 3 = ___<br>3 + 5 = ___ | 5 + 4 = ___<br>4 + 5 = ___ | 5 + 5 ___ |

| | | | | | |
|---|---|---|---|---|---|
| 5<br>+ 2 | 3<br>+ 5 | 5<br>+ 5 | 1<br>+ 5 | 4<br>+ 5 | 2<br>+ 5 |
| 5<br>+ 5 | 5<br>+ 3 | 5<br>+ 4 | 5<br>+ 2 | 5<br>+ 1 | 5<br>+ 5 |



5 ants + 2 ants

3 bees + 5 bees

1 beetle + 5 beetles

5 wasps + 4 wasps

5 bugs + 5 bugs

How many spiders are on this page?

___

B-15

Subtract five. Watch out for Wolfman.

He's ALIVE.

| | | | | | |
|---|---|---|---|---|---|
| 10 | 9 | 8 | 7 | 6 | 5 |
| - 5 | - 5 | - 5 | - 5 | - 5 | - 5 |

9 - 5 = ___ 7 - 5 = ___ 5 - 5 = ___

6 - 5 = ___ 10 - 5 = ___ 8 - 5 = ___

I had 7 spiders. I gave 5 of them to a nice monster.
How many spiders do I have left?

Dracula had 9 pet bats, but 5 bats flew away. How many bats are left?

Some take-away KEY WORDS:

gave away, have left, are left.

Write ➡ _____ _____ _____

B-16

# Remember ?

1. Write the number.

| | | | | | |
|---|---|---|---|---|---|
| 3 | three | △ | 1 | two | 2 |
| 7 | _____ | ○○○○ | _____ | nine | _____ |
| 5 | _____ | □□□□□ | _____ | four | _____ |
| 10 | _____ | ######### | _____ | one | _____ |
| 8 | _____ | ⬭⬭ | _____ | six | _____ |

2. Write the numbers 1 to 10.

___ ___ ___ ___ ___ ___ ___ ___ ___ ___

3. Put in the signs. > < =

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4 | 8 | 7 | 6 | 3 | 5 | 10 | 9 | 2 | 1 | 4 | 4 | 9 | 8 |

4. Add.

| | | | |
|---|---|---|---|
| 4 + 3 = ___ | 4 + 2 = ___ | 2 + 7 = ___ | 5 + 5 = ___ |
| 7 + 3 = ___ | 5 + 3 = ___ | 3 + 3 = ___ | 2 + 1 = ___ |
| 2 + 2 = ___ | 2 + 5 = ___ | 3 + 2 = ___ | 1 + 5 = ___ |
| 6 + 3 = ___ | 1 + 1 = ___ | 1 + 4 = ___ | 4 + 6 = ___ |
| 5 + 4 = ___ | 3 + 1 = ___ | 4 + 6 = ___ | 2 + 6 = ___ |

# Remember ?

Part 2

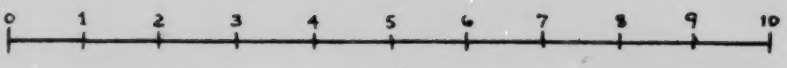
5. Subtract

7 - 4 = ____ 8 - 2 = ____ 5 - 1 = ____

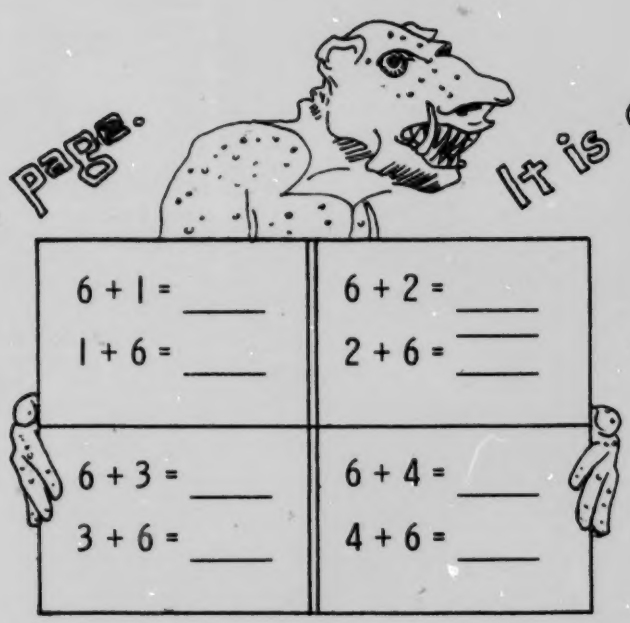
6 - 3 = ____ 4 - 2 = ____ 2 - 1 = ____

| | | | | | | |
|---|---|---|---|---|---|---|
| 9 | 10 | 5 | 4 | 9 | 8 | 7 |
| - 5 | - 2 | - 4 | - 3 | - 3 | - 4 | - 3 |
| 6 | 5 | 4 | 3 | 10 | 7 | 6 |
| - 5 | - 2 | - 1 | - 1 | - 4 | - 5 | - 4 |
| 8 | 9 | 10 | 8 | 6 | 9 | 7 |
| - 5 | - 2 | - 1 | - 3 | - 2 | - 1 | - 1 |

6 - 1 = ____ 8 - 5 = ____ 7 - 5 = ____ 8 - 1 = ____

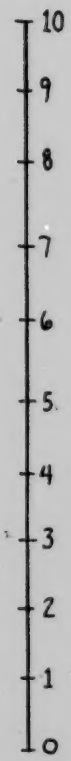


Try this page.



It is easy.

| | |
|---|---|
| 6 + 1 = ____ | 6 + 2 = ____ |
| 1 + 6 = ____ | 2 + 6 = ____ |
| 6 + 3 = ____ | 6 + 4 = ____ |
| 3 + 6 = ____ | 4 + 6 = ____ |




| | | | | | | |
|---|---|---|---|---|---|---|
| 6 | 3 | 6 | 6 | 2 | 1 | 6 |
| +2 | +6 | +1 | +3 | +6 | +6 | +2 |
| 4 | 6 | 3 | 6 | 3 | 4 | 5 |
| +6 | +3 | +5 | +4 | +6 | +3 | +4 |
| 4 | 1 | 4 | 5 | 5 | 1 | 4 |
| +2 | +5 | +4 | +5 | +2 | +4 | +3 |
| 4 | 3 | 5 | 2 | 2 | 6 | 3 |
| +5 | +6 | +3 | +6 | +5 | +4 | +6 |

B-19

ADD and SUBTRACT are related —

just like

GIVE and TAKE.

6 - 4 = 2 and

2 + 4 = 6

5 - 3 = 2 and

2 + 3 = 5

7 - 4 = 3 and

3 + 4 = 7

## Try these

| | | | |
|---|---|---|---|
| 10 - 6 = ☐ | 9 - 6 = ☐ | 8 - 6 = ☐ | 7 - 6 = ☐ |
| ☐ + 6 = 10 | ☐ + 6 = 9 | ☐ + 6 = 8 | ☐ + 6 = 7 |
| 6 - 6 = ☐ | 10 - 5 = ☐ | 10 - 4 = ☐ | 10 - 3 = ☐ |
| ☐ + 6 = 6 | ☐ + 5 = 10 | ☐ + 4 = 10 | ☐ + 3 = 10 |
| 10 - 2 = ☐ | 8 - 3 = ☐ | 7 - 5 = ☐ | 8 - 6 = ☐ |
| ☐ + 2 = 10 | ☐ + 3 = 8 | ☐ + 5 = 7 | ☐ + 6 = 8 |
| 10 - 1 = ☐ | 8 - 1 = ☐ | 6 - 3 = ☐ | 10 - 0 = ☐ |
| ☐ + 1 = 10 | ☐ + 1 = 8 | ☐ + 3 = 6 | ☐ + 0 = 10 |
| 8 - 2 = ☐ | 7 - 6 = ☐ | 5 - 4 = ☐ | 8 - 5 = ☐ |
| ☐ + 2 = 8 | ☐ + 6 = 7 | ☐ + 4 = 5 | ☐ + 5 = 8 |

Lets see how fast you can do this page.
So all us MONSTERS won't get in a rage.

| | | |
|---|---|---|
| 7 + 1 = ___<br>1 + 7 = ___ | 7 + 2 = ___<br>2 + 7 = ___ | 7 + 3 = ___<br>3 + 7 = ___ |

$$\begin{array}{r} 1 \\ +7 \\ \hline \end{array} \qquad \begin{array}{r} 7 \\ +2 \\ \hline \end{array} \qquad \begin{array}{r} 3 \\ +7 \\ \hline \end{array} \qquad \begin{array}{r} 2 \\ +7 \\ \hline \end{array} \qquad \begin{array}{r} 7 \\ +1 \\ \hline \end{array} \qquad \begin{array}{r} 7 \\ +3 \\ \hline \end{array} \qquad \begin{array}{r} 7 \\ +2 \\ \hline \end{array}$$

| | |
|---|---|
| 8 + 1 = ___<br>1 + 8 = ___ | 8 + 2 = ___<br>2 + 8 = ___ |

$$\begin{array}{r} 1 \\ +8 \\ \hline \end{array} \qquad \begin{array}{r} 8 \\ +2 \\ \hline \end{array} \qquad \begin{array}{r} 2 \\ +8 \\ \hline \end{array} \qquad \begin{array}{r} 8 \\ +1 \\ \hline \end{array}$$

| |
|---|
| 9 + 1 = ___ |
| 1 + 9 = ___ |

$$\begin{array}{r} 1 \\ +9 \\ \hline \end{array} \qquad \begin{array}{r} 7 \\ +1 \\ \hline \end{array} \qquad \begin{array}{r} 2 \\ +8 \\ \hline \end{array} \qquad \begin{array}{r} 2 \\ +7 \\ \hline \end{array} \qquad \begin{array}{r} 9 \\ +1 \\ \hline \end{array} \qquad \begin{array}{r} 7 \\ +3 \\ \hline \end{array}$$

Subtract 7 and 8

| | | | |
|---|---|---|---|
| 10 - 7 = ☐<br>☐ + 7 = 10 | 9 - 7 = ☐<br>☐ + 7 = 9 | 8 - 7 = ☐<br>☐ + 7 = 8 | 7 - 7 = ☐<br>☐ + 7 = 7 |

| | | |
|---|---|---|
| 10 - 8 = ☐<br>☐ + 8 = 10 | 9 - 8 = ☐<br>☐ + 8 = 9 | 8 - 8 = ☐<br>☐ + 8 = 8 |

Subtract again, 9 and 10.

| | |
|---|---|
| 10 - 9 = ☐<br>☐ + 9 = 10 | 9 - 9 = ☐<br>☐ + 9 = 9 |

| |
|---|
| 10 - 10 = ☐<br>☐ + 10 = 10 |

Match related sentences:

| | | | |
|---|---|---|---|
| 10 - 7 = 3 | 0 + 10 = 10 | 9 - 7 = 2 | 0 + 7 = 7 |
| 10 - 10 = 0 | 1 + 8 = 9 | 7 - 7 = 0 | 0 + 8 = 8 |
| 8 - 7 = 1 | 2 + 8 = 10 | 9 - 9 = 0 | 2 + 7 = 9 |
| 9 - 8 = 1 | 3 + 7 = 10 | 10 - 9 = 1 | 1 + 9 = 10 |
| 10 - 8 = 2 | 1 + 7 = 8 | 8 - 8 = 0 | 0 + 9 = 9 |

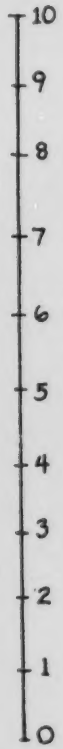
Can you put in the right sign?

We think you will do just fine.

| <, =, > | <, =, > | <, =, > |
|---|---|---|
| $7+1 \underset{8}{} > 8-2 \underset{6}{}$ | $8+2 \quad 7-3$ | $2+7 \quad 8-1$ |
| $2+7 \quad 1+9$ | $2+7 \quad 1+8$ | $8+1 \quad 9+1$ |
| $9-1 \quad 7+3$ | $8-1 \quad 1+7$ | $7+3 \quad 1+9$ |
| $3+7 \quad 8-1$ | $9+1 \quad 2+8$ | $1+9 \quad 7-1$ |

| | | | | | | |
|---|---|---|---|---|---|---|
| 7 | 7 | 3 | 1 | 8 | 9 | 1 |
| +1 | +2 | +7 | +8 | +2 | +1 | +9 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 10 | 9 | 10 | 10 | 9 | 8 | 9 |
| -7 | -8 | -9 | -8 | -7 | -7 | -9 |




B-23

Do you remember 0? 0 or zero means none, --

or that nothing is there.

| 1 + 0 | means | 1 + nothing |
|---|---|---|

So, 1 + 0 = 1, 0 + 0 = 0, and

| | | | | |
|---|---|---|---|---|
| 1 + 0 = ___<br>0 + 1 = ___ | 2 + 0 = ___<br>0 + 2 = ___ | 3 + 0 = ___<br>0 + 3 = ___ | 4 + 0 = ___<br>0 + 4 = ___ | 5 + 0 = ___<br>0 + 5 = ___ |
| 6 + 0 = ___<br>0 + 6 = ___ | 7 + 0 = ___<br>0 + 7 = ___ | 8 + 0 = ___<br>0 + 8 = ___ | 9 + 0 = ___<br>0 + 9 = ___ | 10 + 0 = ___<br>0 + 10 = ___ |

Put in the signs $>$, $=$, $<$

| | | |
|---|---|---|
| 0 + 6 ___ 5 + 1 | 7 + 0 ___ 5 + 2 | 6 + 3 ___ 8 + 0 |
| 7 + 1 ___ 2 + 0 | 0 + 1 ___ 0 + 0 | 5 + 2 ___ 0 + 6 |
| 3 + 4 ___ 0 + 7 | 7 + 3 ___ 10 + 0 | 3 + 0 ___ 0 + 4 |
| 6 + 2 ___ 0 + 5 | 8 + 2 ___ 0 + 9 | 0 + 5 ___ 3 + 2 |
| 0 + 0 ___ 1 + 1 | 2 + 0 ___ 0 + 10 | 9 + 0 ___ 4 + 6 |
| 5 + 4 ___ 0 + 9 | 4 + 2 ___ 6 + 0 | 3 + 5 ___ 0 + 8 |

# Try to subtract 0.

4 - 0 means → 4 take away nothing.

So 4 - 0 = 4

| | | | |
|---|---|---|---|
| 3 - 0 = ___ | 4 - 0 = ___ | 9 - 0 = ___ | 7 - 0 = ___ |
| 10 - 0 = ___ | 1 - 0 = ___ | 2 - 0 = ___ | 5 - 0 = ___ |
| 6 - 0 = ___ | 8 - 0 = ___ | 0 - 0 = ___ | |

MATCH:

| | | | |
|---|---|---|---|
| 5 - 0 | 9 + 0 | 2 + 2 | 10 - 9 |
| 10 - 1 | 7 - 0 | 1 + 0 | 7 - 0 |
| 4 + 4 | 4 + 1 | 0 + 0 | 6 + 0 |
| 2 + 5 | 4 + 2 | 0 + 7 | 9 - 0 |
| 3 - 0 | 8 - 0 | 10 - 4 | 9 - 9 |
| 2 + 4 | 2 + 1 | 0 + 9 | 4 - 0 |

B-25

# add:

| | | | |
|---|---|---|---|
| 4 + 6 = ___ | 7 + 2 = ___ | 9 + 1 = ___ | 8 + 2 = ___ |
| 0 + 4 = ___ | 8 + 1 = ___ | 6 + 3 = ___ | 2 + 6 = ___ |
| 1 + 7 = ___ | 10 + 0 = ___ | 3 + 7 = ___ | 9 + 0 = ___ |

Match:

| | | | |
|---|---|---|---|
| 10 - 8 | 9 - 7 | 9 - 3 | 3 + 2 |
| 9 - 5 | 8 - 8 | 8 - 1 | 6 + 4 |
| 10 - 7 | 9 - 8 | 10 - 2 | 8 + 1 |
| 9 - 9 | 8 - 3 | 10 - 1 | 9 - 1 |
| 8 - 7 | 6 - 3 | 10 - 0 | 9 - 2 |
| 7 - 2 | 8 - 4 | 6 - 1 | 10 - 4 |

Finish the related sentences:

| | | | |
|---|---|---|---|
| 10 - 7 = 3 | 9 - 8 = 1 | 8 - 7 = 1 | 10 - 9 = 1 |
| □ + 7 = 10 | □ + 8 = 9 | □ + 7 = 8 | □ + 9 = 10 |
| 6 - 2 = □ | 8 - 5 = □ | 10 - 8 = □ | 9 - 7 = □ |
| □ + 2 = 6 | □ + 5 = 8 | □ + 8 = 10 | □ + 7 = 9 |

# ADD:

Can you do this?

| | | | |
|---|---|---|---|
| 1 + 6 = ___ | 1 + 7 = ___ | 1 + 8 = ___ | 1 + 9 = ___ |
| 0 + 6 = ___ | 7 + 0 = ___ | 8 + 0 = ___ | 9 + 0 = ___ |
| 6 + 2 = ___ | 2 + 7 = ___ | 2 + 8 = ___ | 3 + 7 = ___ |
| 3 + 6 = ___ | 7 + 3 = ___ | 5 + 5 = ___ | 6 + 4 = ___ |
| 0 + 10 = ___ | 6 + 3 = ___ | 0 + 0 = ___ | 8 + 2 = ___ |

# SUBTRACT:

| | | | |
|---|---|---|---|
| 10 - 0 = ___ | 9 - 9 = ___ | 9 - 7 = ___ | 9 - 9 = ___ |
| 10 - 9 = ___ | 8 - 0 = ___ | 8 - 6 = ___ | 7 - 0 = ___ |
| 10 - 7 = ___ | 9 - 6 = ___ | 8 - 8 = ___ | 6 - 6 = ___ |
| 7 - 6 = ___ | 10 - 10 = ___ | 9 - 0 = ___ | 5 - 5 = ___ |
| 7 - 7 = ___ | 9 - 8 = ___ | 10 - 8 = ___ | 10 - 6 = ___ |

When you have 3 numbers to add --

put the first 2 together.

Then add the last number.

$(4 + 1) + 3 = \square$

$5 + 3 = \square$

$(2 + 4) + 3 = \square$

$6 + 3 = \square$

$(3 + 1) + 2 =$ ____

$4 + 2$

$6 + 1 + 2 =$ ____

$2 + 3 + 4 =$ ____

$5 + 3 + 1 =$ ____

$1 + 2 + 3 =$ ____

$5 + 2 + 1 =$ ____

$4 + 2 + 1 =$ ____

$8 + 1 + 1 =$ ____

$1 + 2 + 6 =$ ____

$3 + 5 + 1 =$ ____

$1 + 7 + 1 =$ ____

$2 + 2 + 2 =$ ____

$4 + 2 + 3 =$ ____

$3 + 3 + 3 =$ ____

$2 + 5 + 3 =$ ____

$$\begin{array}{r} 6 \\ 3 \\ +\ 1 \\ \hline \end{array} \qquad \begin{array}{r} 3 \\ 1 \\ +\ 2 \\ \hline \end{array} \qquad \begin{array}{r} 4 \\ 1 \\ +\ 5 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ 2 \\ +\ 1 \\ \hline \end{array} \qquad \begin{array}{r} 6 \\ 1 \\ +\ 2 \\ \hline \end{array} \qquad \begin{array}{r} 3 \\ 4 \\ +\ 1 \\ \hline \end{array}$$

Take away the chains for the ghost.

$10 - 3 - 4 = ___$

$(10 - 3) - 4 = ___$

$7 - 4 = 3$

$10 - 1 - 5 - 2 = ___$

$(10 - 1) - 5 - 2 = ___$

$9 - (5 - 2) = ___$

$4 - 2 = 2$

$(8 - 1) - 3 = ___$

$7 - 3 = ___$

$(9 - 4) - 2 = ___$

$__ - 2 = ___$

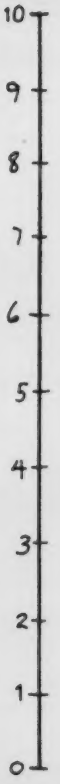
$(7 - 2) - 3 - 1 = ___$

$(5 - 3) - 1 = ___$

$2 - 1 = ___$

$(6 - 2) - 3 = ___$

$__ - 3 = ___$




$(9 - 2) - 3 - 2 = ___$

$(7 - 3) - 2 = ___$

$__ - 2 = ___$

$(9 - 6) - 1 = ___$

$__ - __ = ___$

$(9 - 5) - 2 - 1 = ___$

$(__ - 2) - 1 = ___$

$__ - 1 = ___$

$(8 - 5) - 3 = ___$

$__ - 3 = ___$

$(10 - 5) - 2 - 1 = ___$

$(__ - 2) - 1 = ___$

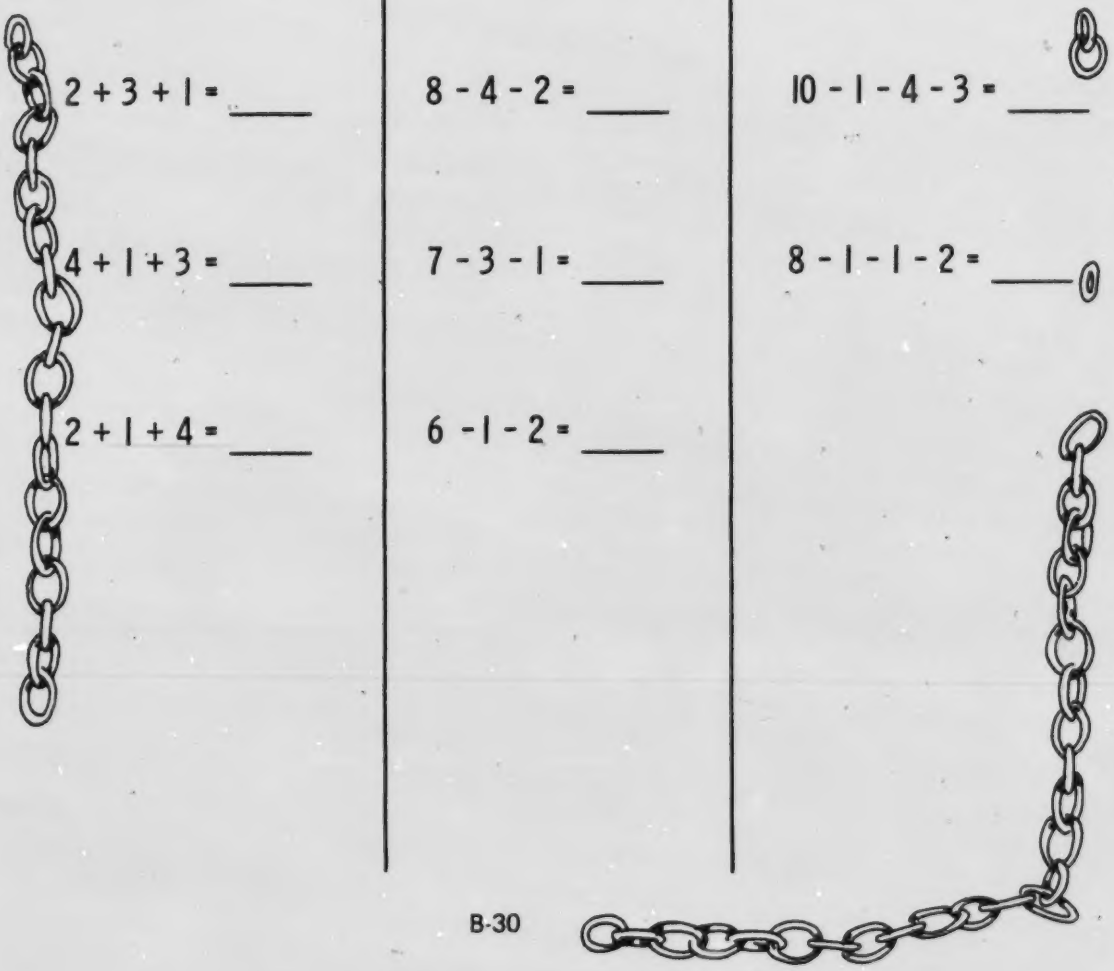
$__ - 1 = ___$

$10 - 4 - 2 = ___$

## Number Chains

### Add and Subtract

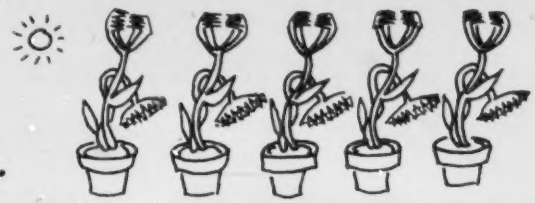
| | | |
|---|---|---|
| 5 + 3 + 2 = ____ | 10 - 3 - 4 = ____ | 8 - 3 - 1 - 3 = ____ |
| 6 + 1 + 2 = ____ | 9 - 5 - 1 = ____ | 9 - 2 - 5 - 2 = ____ |
| 2 + 3 + 1 = ____ | 8 - 4 - 2 = ____ | 10 - 1 - 4 - 3 = ____ |
| 4 + 1 + 3 = ____ | 7 - 3 - 1 = ____ | 8 - 1 - 1 - 2 = ____ |
| 2 + 1 + 4 = ____ | 6 - 1 - 2 = ____ | |



B-30

Sometimes we have to add and take away in the same problem.

Dracula had 5 man-eating plants. A witch gave him 2 more.



Then Dracula gave 3 plants to Igor. How many did he have left?

5 plants + 2 plants - 3 plants = ____ plants

$$\underbrace{5 + 2}_{7} - 3 = \underline{\quad}$$

$$7 - 3 = 4$$

Try some yourself.

$\underbrace{2+3}_{5} - 1 =$ ____

$5 - 1 =$ ____

$6 + 1 - 1 =$ ____

$\underbrace{7+1}_{8} - 5 =$ ____

$8 - 5 =$ ____

$4 + 5 - 3 =$ ____

$\underbrace{9+1}_{10} - 5 =$ ____

$10 - 5 =$ ____

$2 + 6 - 4 =$ ____

$\underbrace{3+6}_{} - 2 =$ ____

$1 + 8 - 2 =$ ____

$7 + 2 - 5 =$ ____

$6 + 4 - 9 =$ ____

This is a little different.

Frankenstein had 8 bags of food. He gave 3 to Wolfman. Then Frankenstein bought 4 more bags. How many bags did he finally have?

8 bags - 3 bags + 4 bags = ____ bags

8 - 3 + 4 = ____

5 + 4 = 9

And now you.

10 - 7 + 2 = ____

3 + 2 = ____

4 - 1 + 5 = ____

9 - 4 + 3 = ____

5 + 3 = ____

5 - 3 + 4 = ____

8 - 1 + 2 = ____

7

7 - 4 + 7 = ____

7 - 5 + 6 = ____

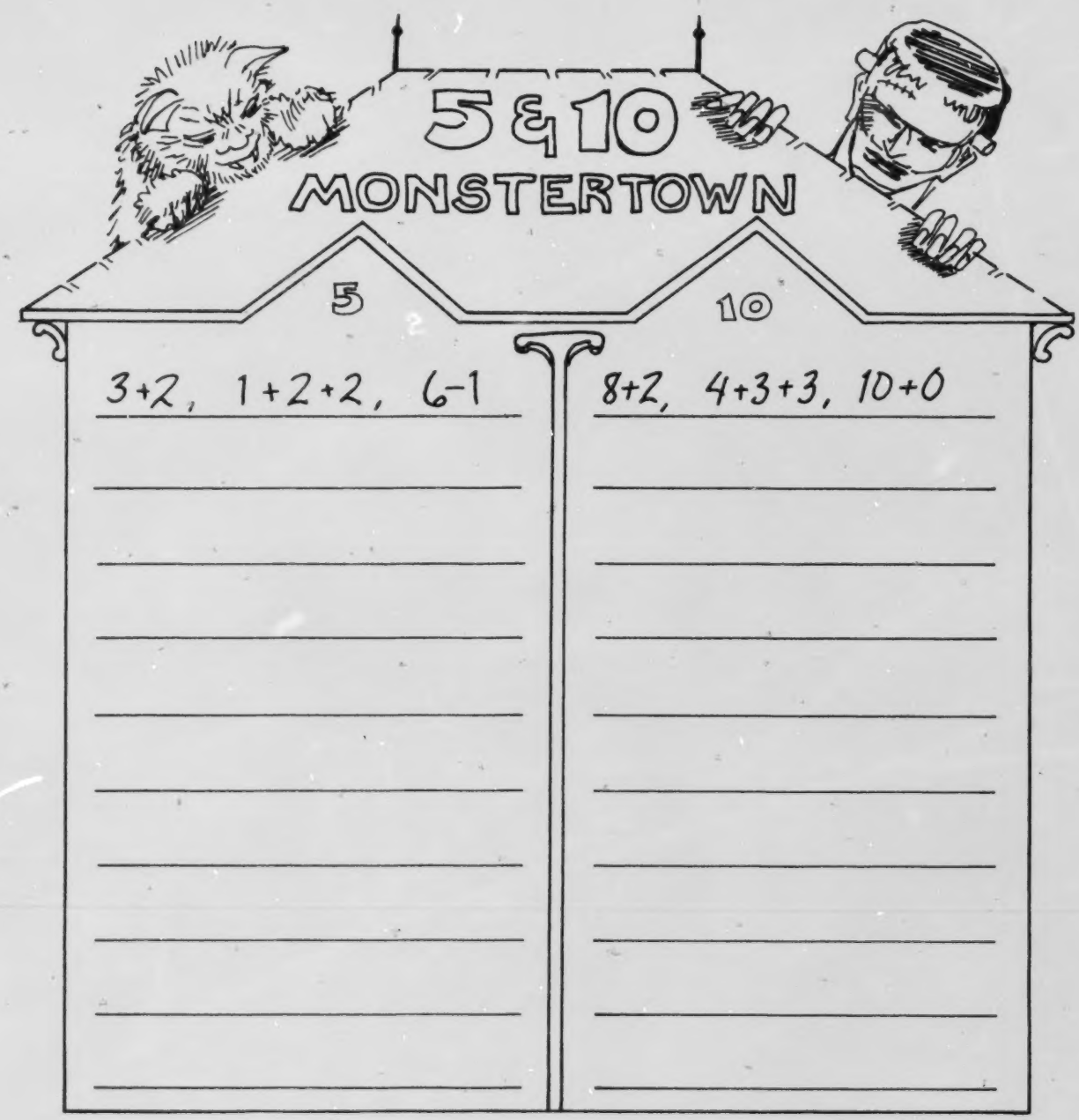
9 - 6 + 2 = ____

Frankenstein and Werewolf got jobs!

They work in the Monstertown 5 and 10.

They have to fill the store with numbers that equal 5 and 10.

Can you help?



## Meet our relatives.

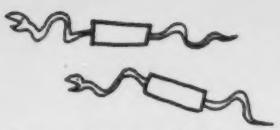
$2 + 3 = 5$ $\quad$ $5 - 2 = 3$ $\quad$ $5 - 3 = 2$

$3 + 2 = 5$ $\quad$ So $\quad$ □□□~~□□~~ $\quad$ and $\quad$ □□~~□□□~~

□□□ □□

Try this. Match the related groups:

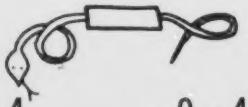
| | |
|---|---|
| $8 + 1 = 9$ | $4 - 1 = 3$ |
| $1 + 8 = 9$ | $4 - 3 = 1$ |
| $1 + 5 = 6$ | $9 - 8 = 1$ |
| $5 + 1 = 6$ | $9 - 1 = 8$ |
| $1 + 3 = 4$ | $8 - 1 = 7$ |
| $3 + 1 = 4$ | $8 - 7 = 1$ |
| $1 + 7 = 8$ | $6 - 1 = 5$ |
| $7 + 1 = 8$ | $6 - 5 = 1$ |
| $1 + 9 = 10$ | $3 - 2 = 1$ |
| $9 + 1 = 10$ | $3 - 1 = 2$ |
| $2 + 1 = 3$ | $10 - 1 = 9$ |
| $1 + 2 = 3$ | $10 - 9 = 1$ |



The adding numbers are looking for their subtracting relatives.

Can you help?

| | | | |
|---|---|---|---|
| 2 + 3 = 5 | 4 + 2 = 6 | 6 + 2 = 8 | 2 + 5 = 7 |
| 3 + 2 = 5 | 2 + 4 = 6 | 2 + 6 = 8 | 5 + 2 = 7 |
| 5 - 3 = 2 | | | |
| 5 - 2 = 3 | | | |
| 2 + 7 = 9 | 3 + 3 = 6 | 3 + 4 = 7 | 6 + 4 = 10 |
| 7 + 2 = 9 | 3 + 3 = 6 | 4 + 3 = 7 | 4 + 6 = 10 |
| | | | |
| | | | |
| 5 + 4 = 9 | 5 + 1 = 6 | 3 + 6 = 9 | 3 + 7 = 10 |
| 4 + 5 = 9 | 1 + 5 = 6 | 6 + 3 = 9 | 7 + 3 = 10 |
| | | | |
| | | | |



| | | | |
|---|---|---|---|
| 10 - 7 = 3 | 6 - 2 = 4 | 9 - 4 = 5 | 7 - 2 = 5 |
| 6 - 5 = 1 | 7 - 3 = 4 | ~~5 - 2 = 3~~ | 10 - 6 = 4 |
| ~~5 - 3 = 2~~ | 10 - 4 = 6 | 7 - 5 = 2 | 6 - 3 = 3 |
| 8 - 6 = 2 | 6 - 1 = 5 | 8 - 2 = 6 | 9 - 2 = 7 |
| 6 - 4 = 2 | 10 - 3 = 7 | 6 - 3 = 3 | 7 - 4 = 3 |
| 9 - 7 = 2 | 9 - 3 = 6 | 9 - 5 = 4 | 9 - 6 = 3 |

B-35

Can you write 2 adding problems for each subtracting group? I did one for you.

$$\begin{array}{cccc} 10 & 10 & 1 & 9 \\ -\,1 & -\,9 & +\,9 & +\,1 \\ \hline 9 & 1 & 10 & 10 \end{array}$$

$$\begin{array}{r} \triangle\triangle\triangle\triangle\triangle \\ \triangle\triangle\triangle\triangle \\ \hline \triangle \end{array}$$

| | | |
|---|---|---|
| $\begin{array}{cc} 8 & 8 \\ -\,5 & -\,3 \\ \hline 3 & 5 \end{array}$ | $\begin{array}{cc} 9 & 9 \\ -\,5 & -\,4 \\ \hline 4 & 5 \end{array}$ | $\begin{array}{cc} 8 & 8 \\ -\,1 & -\,7 \\ \hline 7 & 1 \end{array}$ |
| $\begin{array}{cc} 9 & 9 \\ -\,6 & -\,3 \\ \hline 3 & 6 \end{array}$ | $\begin{array}{cc} 8 & 8 \\ -\,6 & -\,2 \\ \hline 2 & 6 \end{array}$ | $\begin{array}{cc} 6 & 6 \\ -\,2 & -\,4 \\ \hline 4 & 2 \end{array}$ |
| $\begin{array}{cc} 10 & 10 \\ -\,3 & -\,7 \\ \hline 7 & 3 \end{array}$ | $\begin{array}{cc} 10 & 10 \\ -\,2 & -\,8 \\ \hline 8 & 2 \end{array}$ | $\begin{array}{cc} 4 & 4 \\ -\,3 & -\,1 \\ \hline 1 & 3 \end{array}$ |
| $\begin{array}{cc} 7 & 7 \\ -\,1 & -\,6 \\ \hline 6 & 1 \end{array}$ | $\begin{array}{cc} 7 & 7 \\ -\,4 & -\,3 \\ \hline 3 & 4 \end{array}$ | $\begin{array}{cc} 9 & 9 \\ -\,2 & -\,7 \\ \hline 7 & 2 \end{array}$ |

# Let's have a review.

## Then we will try something new.

4 + 1 = ___ 7 - 3 = ___ 6 + 4 = ___ 9 + 1 = ___ 8 - 3 = ___

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 5 | 7 | 3 | 0 | 10 | 3 | 8 | 9 |
| + 4 | - 5 | + 2 | + 3 | - 0 | + 5 | + 1 | - 3 |
| ___ | ___ | ___ | ___ | ___ | ___ | ___ | ___ |

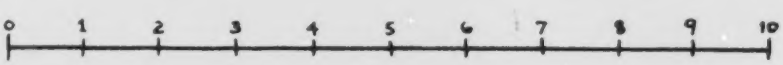
7 + 2 = ___ 9 - 5 = ___ 4 + 3 = ___ 2 + 0 = ___ 1 + 7 = ___

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 8 | 9 | 4 | 8 | 3 | 10 | 7 | 5 |
| - 5 | - 6 | + 2 | - 4 | - 3 | - 2 | + 2 | + 5 |
| ___ | ___ | ___ | ___ | ___ | ___ | ___ | ___ |

4 - 2 = ___ 9 - 7 = ___ 4 + 2 = ___ 3 + 7 = ___ 2 + 1 = ___

3 + 1 + 5 = ___ 4 + 2 + 3 = ___ 3 + 1 + 2 = ___ 6 + 2 + 1 = ___

10 - 3 - 4 = ___ 9 - 1 - 3 - 2 = ___ 7 - 3 - 1 - 3 = ___ 8 - 2 - 3 - 1 ___




B-37

# Copy what you see.

| | | | | |
|---|---|---|---|---|
| 11 | eleven | ○○○○○<br>○○○○○ ○ | eleven | 11 |
| 12 | twelve | ○○○○○<br>○○○○○ ○○ | twelve | 12 |
| 13 | thirteen | ○○○○○<br>○○○○○ ○○○ | thirteen | 13 |
| 14 | fourteen | ○○○○○<br>○○○○○ ○○○○ | fourteen | 14 |
| 15 | fifteen | ○○○○○<br>○○○○○ ○○○○○ | fifteen | 15 |

Write 2 ways:

11 11 eleven 13 ____ 14 ____ ____

12 ____ ____ ____ 15 ____ ____

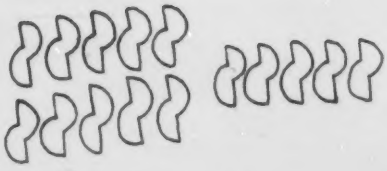
C-1

# MATCH NUMBERS

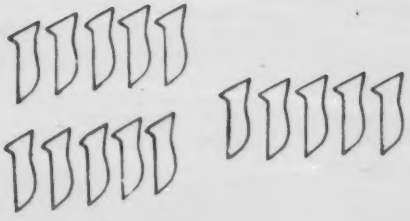
15

14

13



12



11

11

eleven

---

12

twelve

---

13

thirteen

---

14

fourteen

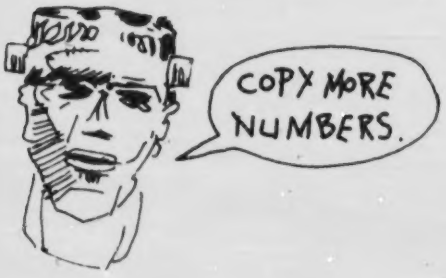
---

15

fifteen

Write the number:

| | | | | | |
|---|---|---|---|---|---|
| 11 | _____ | thirteen | _____ | 10 and 3 | _____ |
| 12 | _____ | eleven | _____ | 10 and 1 | _____ |
| 13 | _____ | fifteen | _____ | 10 and 5 | _____ |
| 14 | _____ | twelve | _____ | 10 and 2 | _____ |
| 15 | _____ | fourteen | _____ | 10 and 4 | _____ |

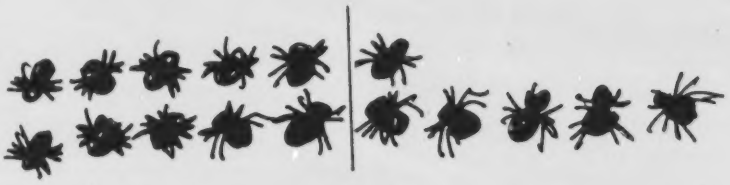



| | | | | |
|---|---|---|---|---|
| 16 | sixteen | ○○○○○ ○<br>○○○○○ ○○○○○ | sixteen | 16 |
| 17 | seventeen | ○○○○○ ○○<br>○○○○○ ○○○○○ | seventeen | 17 |
| 18 | eighteen | ○○○○○ ○○○<br>○○○○○ ○○○○○ | eighteen | 18 |
| 19 | nineteen | ○○○○○ ○○○○<br>○○○○○ ○○○○○ | nineteen | 19 |
| 20 | twenty | ○○○○○ ○○○○○<br>○○○○○ ○○○○○ | twenty | 20 |

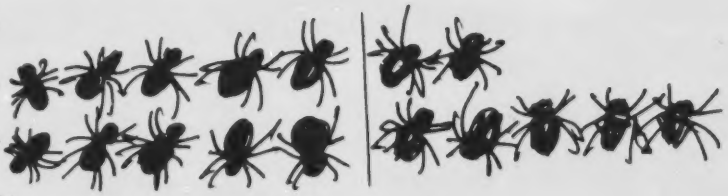
WRITE 2 WAYS:

| | | | |
|---|---|---|---|
| 16 | | 17 | |
| | | 18 | |
| | | 19 | |
| | | 20 | |

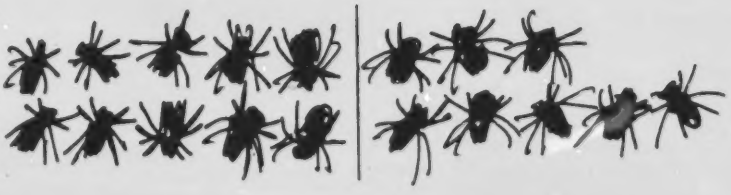
| | |
|---|---|
| 16 | sixteen |
| ___ | sixteen |
| 16 | ___ |
| ___ | ___ |
| ___ | ___ |



| | |
|---|---|
| 17 | seventeen |
| ___ | seventeen |
| 17 | ___ |
| ___ | ___ |
| ___ | ___ |



| | |
|---|---|
| 18 | eighteen |
| ___ | eighteen |
| 18 | ___ |
| ___ | ___ |
| ___ | ___ |



| | |
|---|---|
| 19 | nineteen |
| ___ | nineteen |
| 19 | ___ |
| ___ | ___ |
| ___ | ___ |

Draw 19 shapes or pictures.

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| | | | | | | | | | |

| | |
|---|---|
| 20 | twenty |
| ___ | twenty |
| 20 | ___ |
| ___ | ___ |
| ___ | ___ |

Draw 20 shapes or pictures.

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |
| | | | | | | | | | |

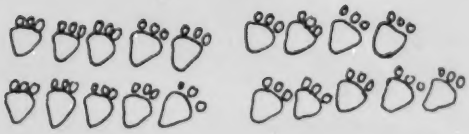
Write the numbers 1 to 20.

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | ___ | ___ | ___ | ___ | ___ | ___ | ___ | ___ | 10 |
| 11 | ___ | ___ | ___ | 15 | ___ | ___ | ___ | ___ | 20 |

# MATCH THE NUMBERS

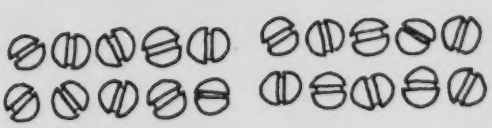
20

16



19

18



17

C-7

11 — eleven

12 — twelve

13 — thirteen

14 — fourteen

15 — fifteen

16 — sixteen

17 — seventeen

18 — eighteen

19 — nineteen

20 — twenty

Write the numbers

| | | |
|---|---|---|
| 11 _____ | 14 _____ | 20 _____ |
| 12 _____ | nineteen ____ | 19 _____ |
| 13 _____ | eleven ____ | 18 _____ |
| 14 _____ | 15 _____ | seventeen _____ |
| 15 _____ | 17 _____ | sixteen ____ |
| 16 _____ | twenty ____ | fifteen ____ |
| 17 _____ | 13 _____ | fourteen ____ |
| 18 _____ | twelve ____ | thirteen ____ |
| 19 _____ | eighteen ____ | 12 _____ |
| 20 _____ | 16 _____ | 11 _____ |

Write the numbers 11 to 20.

11 ____ ____ ____ ____ ____ ____ ____ ____ ____ 20

# MATCH

| | | |
|---|---|---|
| 11 | thirteen | 10 + 1 |
| 12 | fifteen | 10 + 2 |
| 13 | sixteen | 10 + 3 |
| 14 | eleven | 10 + 4 |
| 15 | twelve | 10 + 5 |
| 16 | fourteen | 10 + 6 |
| 17 | twenty | 10 + 7 |
| 18 | seventeen | 10 + 8 |
| 19 | nineteen | 10 + 9 |
| 20 | eighteen | 10 + 10 |
| | vampire | monster |

Write:

| | | | | | |
|---|---|---|---|---|---|
| 11 | 11 | eleven | 16 | ___ | _____ |
| 12 | ___ | _____ | 17 | ___ | _____ |
| 13 | ___ | _____ | 18 | ___ | _____ |
| 14 | ___ | _____ | 19 | ___ | _____ |
| 15 | ___ | _____ | 20 | ___ | _____ |

Find the numbers.

| s | i | x | t | e | e | n | f | n |
|---|---|---|---|---|---|---|---|---|
| e | t | d | w | a | s | f | i | i |
| v | w | f | e | t | o | o | f | n |
| e | e | e | l | t | s | u | t | e |
| n | n | g | v | w | p | r | e | t |
| t | t | t | e | e | x | t | e | e |
| e | y | e | l | e | v | e | n | e |
| e | i | g | h | t | e | e | n | n |
| n | c | u | v | y | t | n | x | e |
| t | h | i | r | t | e | e | n | a |

eleven
twelve
thirteen
fourteen
fifteen
sixteen
seventeen
eighteen
nineteen
twenty

11 △△△△△ △△△△△ △

12 △△△△△ △△△△△ △△

13 △△△△△ △△△△△ △△△

14 △△△△△ △△△△△ △△△△

15 △△△△△ △△△△△ △△△△△

16 △△△△△ △ △△△△△ △△△△△

17 △△△△△ △△ △△△△△ △△△△△

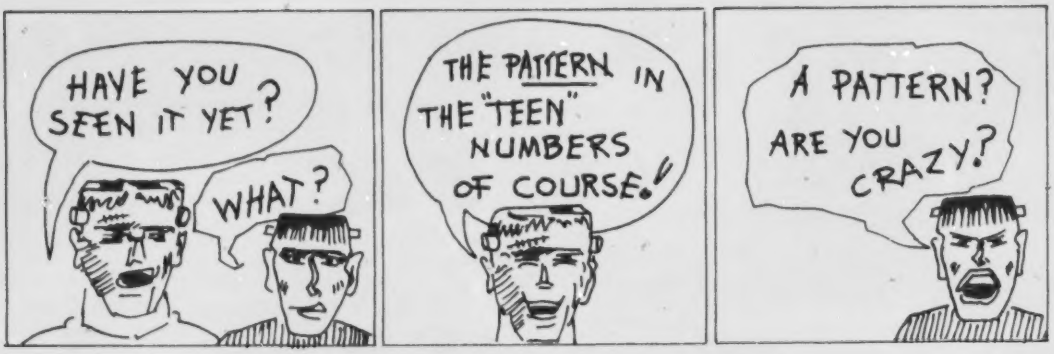
18 △△△△△ △△△ △△△△△ △△△△△

19 △△△△△ △△△△ △△△△△ △△△△△

20 △△△△△ △△△△△ △△△△△ △△△△△

Remember $>$, $=$, $<$ ? Put them in.

| | | | | | |
|---|---|---|---|---|---|
| 16 | 19 | 11 | 9 | 17 | 19 |
| 12 | 11 | 17 | 18 | 19 | 11 |
| 15 | 17 | 8 | 18 | 16 | 6 |
| 20 | 14 | 11 | 10 | 9 | 19 |
| 16 | 15 | 15 | 13 | 20 | 20 |
| 13 | 20 | 9 | 10 | 7 | 17 |



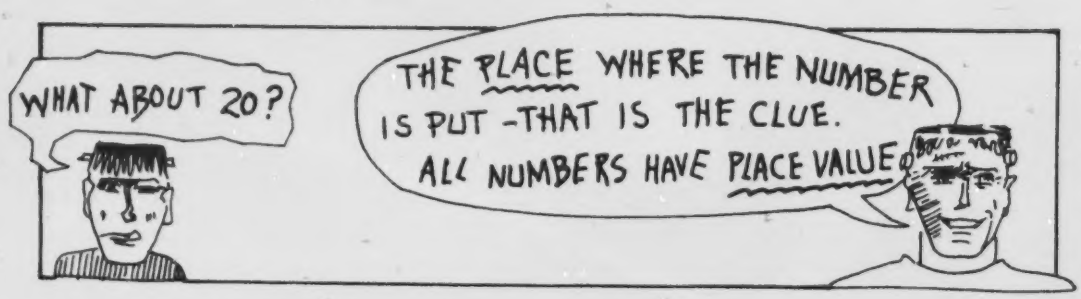
11 ○○○○○○○○○○ and ○ — 11 - 10+1
10 1

12 ○○○○○○○○○○ and ○○ — 12 = 10+2
10 2

14 = 10+4
15 = 10+5
16 = 10+6
17 = 10+7
18 = 10+8
19 = 10+9

**BUT**→

C-12




**16** — 1 group of 10 → Δ Δ Δ Δ Δ Δ Δ Δ Δ Δ
— 6 ones → Δ Δ Δ Δ Δ Δ

**15** — 1 group of 10 → Δ Δ Δ Δ Δ Δ Δ Δ Δ Δ
— 5 ones → Δ Δ Δ Δ Δ

**12** — 1 group of 10
— 2 ones

**14** — 1 group of 10
— 4 ones

So

**20** — 2 groups of 10 → Δ Δ Δ Δ Δ Δ Δ Δ Δ Δ
Δ Δ Δ Δ Δ Δ Δ Δ Δ Δ
— 0 ones

# Places, please ! Try these.

14 = ___ group of 10 + ___ ones

16 = ___ group of 10 + ___ ones

19 = ___ group of 10 + ___ ones

13 = ___ group of 10 + ___ ones

11 = ___ group of 10 + ___ ones

15 = ___ group of 10 + ___ ones

17 = ___ group of 10 + ___ ones

12 = ___ group of 10 + ___ ones

20 = ___ groups of 10 + ___ ones

18 = ___ group of 10 + ___ ones

More place value

## Match:

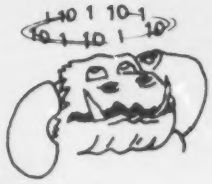
| | | | |
|---|---|---|---|
| 10 + 5 | 17 | eleven | 10 + 4 |
| 10 + 1 | 19 | twelve | 10 + 3 |
| 10 + 3 | 20 | thirteen | 10 + 1 |
| 10 + 9 | 11 | fourteen | 10 + 6 |
| 10 + 7 | 15 | fifteen | 10 + 2 |
| 10 + 10 | 13 | sixteen | 10 + 5 |
| 10 + 2 | 14 | seventeen | 10 + 8 |
| 10 + 4 | 12 | eighteen | 10 + 10 |
| 10 + 6 | 18 | nineteen | 10 + 9 |
| 10 + 8 | 16 | twenty | 10 + 7 |

## Write:

| | | |
|---|---|---|
| 20 _____ | 13 _____ | 6 _____ |
| 19 _____ | 12 _____ | 5 _____ |
| 18 _____ | 11 _____ | 4 _____ |
| 17 _____ | 10 _____ | 3 _____ |
| 16 _____ | 9 _____ | 2 _____ |
| 15 _____ | 8 _____ | 1 _____ |
| 14 _____ | 7 _____ | 0 _____ |

Now add some "teen" numbers.

| tens | ones |
|---|---|
| 1 | 4 |
| + | 3 |
| 1 | 7 |



Add the ones. 4 + 3 = 7

Add the tens. 1 + none = 1

| tens | ones |
|---|---|
| 1 | 6 |
| + | 2 |

| tens | ones |
|---|---|
| 1 | 3 |
| + | 5 |

| tens | ones |
|---|---|
| 1 | 2 |
| + | 7 |

| tens | ones |
|---|---|
| 1 | 8 |
| + | 1 |

| tens | ones |
|---|---|
| 1 | 3 |
| + | 2 |

| tens | ones |
|---|---|
| 1 | 5 |
| + | 3 |

| tens | ones |
|---|---|
| 1 | 1 |
| + | 8 |

| tens | ones |
|---|---|
| 1 | 7 |
| + | 2 |

| tens | ones |
|---|---|
| 1 | 4 |
| + | 5 |

| tens | ones |
|---|---|
| 1 | 5 |
| + | 2 |

| tens | ones |
|---|---|
| 1 | 3 |
| + | 4 |

| tens | ones |
|---|---|
| 1 | 2 |
| + | 3 |

| tens | ones |
|---|---|
| 1 | 1 |
| + | 5 |

| tens | ones |
|---|---|
| 1 | 3 |
| + | 3 |

| tens | ones |
|---|---|
| 1 | 2 |
| + | 5 |

| tens | ones |
|---|---|
| 1 | 2 |
| + | 4 |

Now subtract.
Use the number line.

| tens | ones |
|---|---|
| 1 | 5 |
| - | 3 |

| tens | ones |
|---|---|
| 1 | 4 |
| - | 7 |

| tens | ones |
|---|---|
| 1 | 9 |
| - | 7 |

| tens | ones |
|---|---|
| 1 | 8 |
| - | 2 |

| | |
|---|---|
| 1 | 1 |
| - | 9 |

| | |
|---|---|
| 1 | 5 |
| - | 8 |

| | |
|---|---|
| 1 | 8 |
| - | 9 |

| | |
|---|---|
| 1 | 6 |
| - | 7 |

| | |
|---|---|
| 1 | 4 |
| - | 4 |

| | |
|---|---|
| 1 | 9 |
| - | 10 |

| | |
|---|---|
| 1 | 2 |
| - | 8 |

| | |
|---|---|
| 1 | 4 |
| - | 9 |

| | |
|---|---|
| 1 | 6 |
| - | 9 |

| | |
|---|---|
| 2 | 0 |
| - | 10 |

| | |
|---|---|
| 1 | 7 |
| - | 6 |

| | |
|---|---|
| 1 | 2 |
| - | 3 |

| | |
|---|---|
| 1 | 3 |
| - | 5 |

| | |
|---|---|
| 1 | 7 |
| - | 8 |

| | |
|---|---|
| 1 | 5 |
| - | 7 |

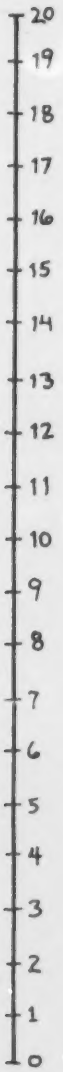
| | |
|---|---|
| 2 | 0 |
| - | 4 |

| | |
|---|---|
| 1 | 9 |
| - | 9 |

| | |
|---|---|
| 1 | 5 |
| - | 5 |

| | |
|---|---|
| 1 | 7 |
| - | 7 |

| | |
|---|---|
| 1 | 3 |
| - | 3 |

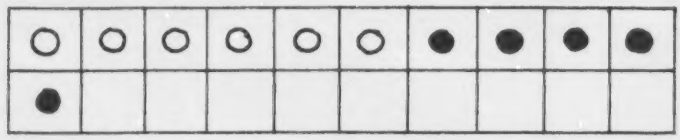


Monsters like to make up stories.

Here are some they made about 11.

6 + 5 = ___

5 + 6 = ___

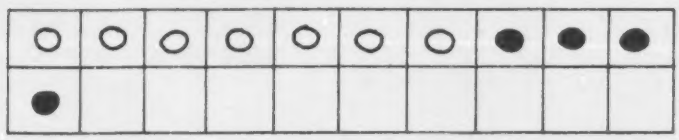


11 - 5 = ___

11 - 6 = ___

7 + 4 = ___

4 + 7 = ___

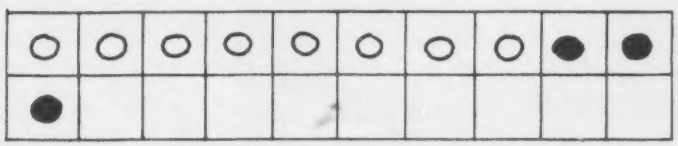


11 - 4 = ___

11 - 7 = ___

8 + 3 = ___

3 + 8 = ___

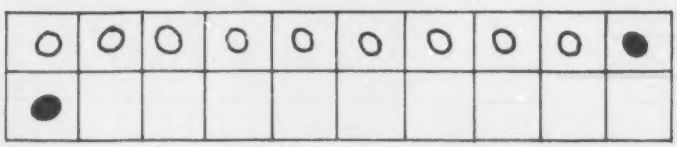


11 - 3 = ___

11 - 8 = ___

9 + 2 = ___

2 + 9 = ___

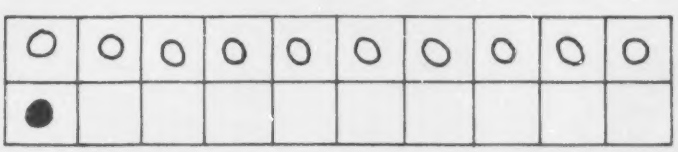


11 - 2 = ___

11 - 9 = ___

10 + 1 = ___

1 + 10 = ___



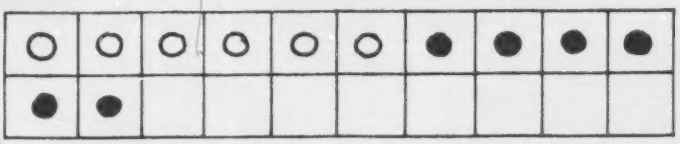
11 - 1 = ___

11 - 10 = ___

D-3

All monsters like the Tales of Twelve.

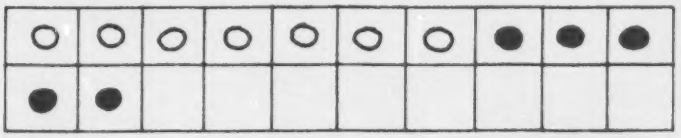
6 + 6 = ___



12 - 6 = ___

7 + 5 = ___

5 + 7 = ___

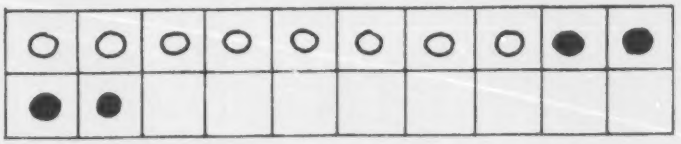


12 - 5 = ___

12 - 7 = ___

8 + 4 = ___

4 + 8 = ___

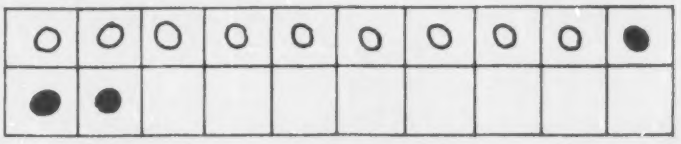


12 - 4 = ___

12 - 8 = ___

9 + 3 = ___

3 + 9 = ___

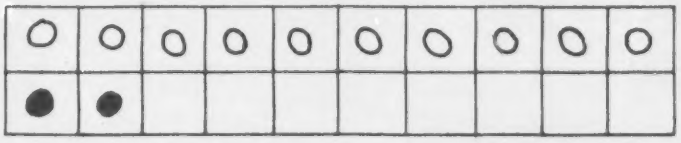


12 - 3 = ___

12 - 9 = ___

10 + 2 = ___

2 + 10 = ___

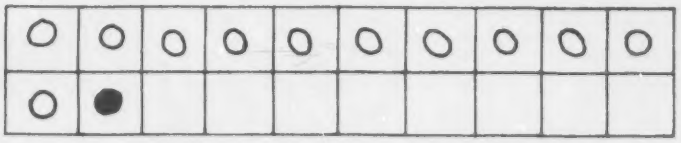


12 - 2 = ___

12 - 10 = ___

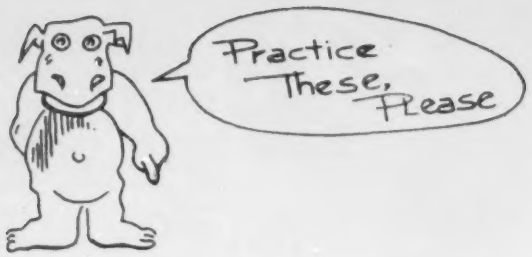
11 + 1 = ___

1 + 11 = ___



12 - 1 = ___

12 - 11 = ___

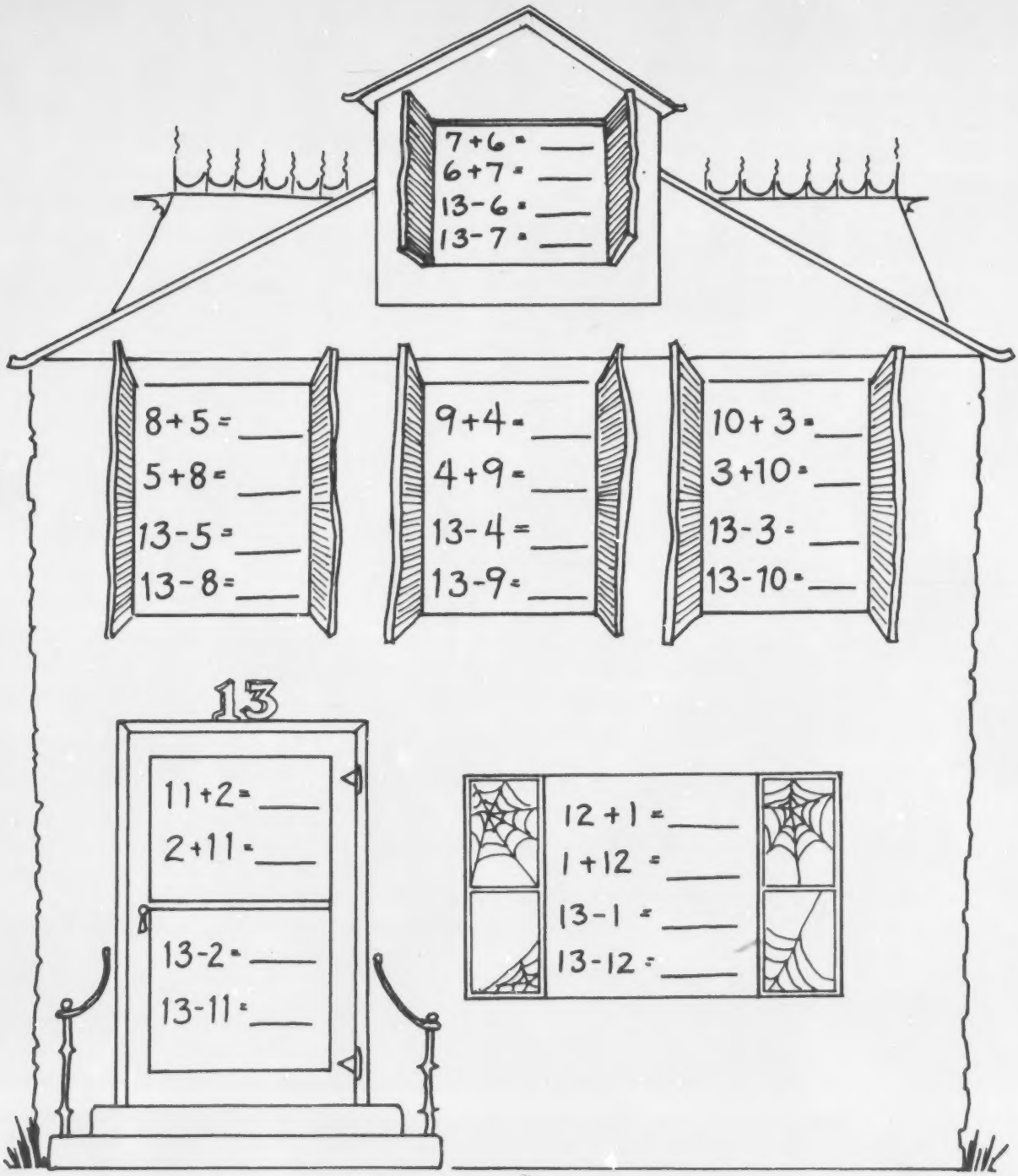



| | | | | | |
|---|---|---|---|---|---|
| 6<br>+4 | 6<br>+6 | 7<br>+3 | 5<br>+4 | 9<br>+3 | 5<br>+5 |
| 5<br>+6 | 8<br>+3 | 7<br>+5 | 4<br>+7 | 3<br>+6 | 8<br>+4 |
| 4<br>3<br>+3 | 3<br>6<br>+2 | 5<br>4<br>+2 | 4<br>4<br>+4 | 8<br>0<br>+4 | 2<br>4<br>+6 |

12 - 4 = ___ 11 - 8 = ___ 11 - 4 = ___ 12 - 7 = ___ 11 - 9 = ___

| | | | | | |
|---|---|---|---|---|---|
| 10<br>-3 | 12<br>-6 | 12<br>-8 | 11<br>-2 | 10<br>-4 | 11<br>-5 |
| 12<br>-9 | 10<br>-6 | 12<br>-3 | 11<br>-7 | 11<br>-3 | 12<br>-5 |

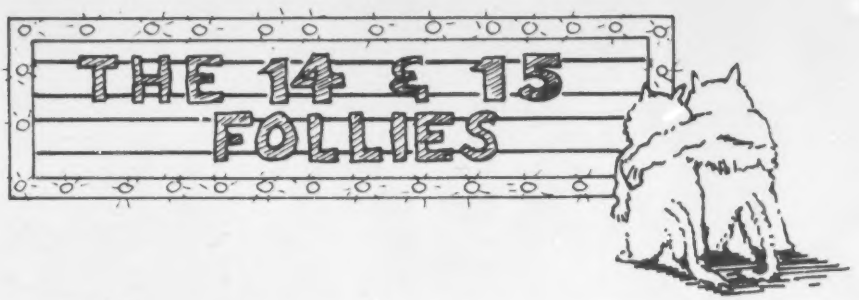
This is the house at 13 Terror Terrace. People say it is haunted, and anyone who goes in will have bad luck. Can you guess why?




D-6

And now, ladies and gentlemen,

not exactly live, but direct from Horrorwood --




| | | |
|---|---|---|
| 7 + 7 = ____ | 8 + 6 = ____ | 9 + 5 = ____ |
| 14 - 7 = ____ | 6 + 8 = ____ | 5 + 9 = ____ |
| | 14 - 6 = ____ | 14 - 5 = ____ |
| | 14 - 8 = ____ | 14 - 9 = ____ |

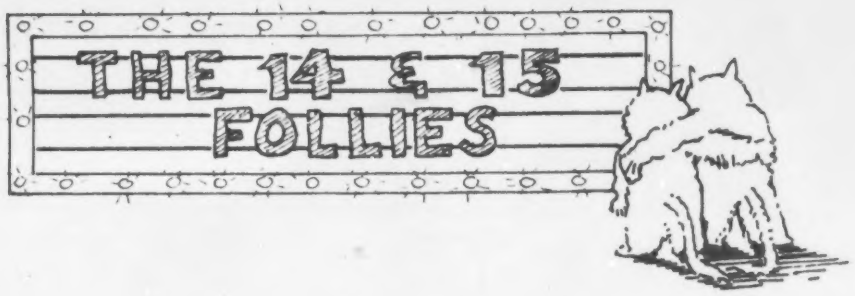
| | | | |
|---|---|---|---|
| 10 + 4 = ____ | 11 + 3 = ____ | 12 + 2 = ____ | 13 + 1 = ____ |
| 4 + 10 = ____ | 3 + 11 = ____ | 2 + 12 = ____ | 1 + 13 = ____ |
| 14 - 4 = ____ | 14 - 3 = ____ | 14 - 2 = ____ | 14 - 1 = ____ |
| 14 - 10 = ____ | 14 - 11 = ____ | 14 - 12 = ____ | 14 - 13 = ____ |

| | | |
|---|---|---|
| 8 + 7 = ____ | 9 + 6 = ____ | 10 + 5 = ____ |
| 7 + 8 = ____ | 6 + 9 = ____ | 5 + 10 = ____ |
| 15 - 7 = ____ | 15 - 6 = ____ | 15 - 5 = ____ |
| 15 - 8 = ____ | 15 - 9 = ____ | 15 - 10 = ____ |

| | | | |
|---|---|---|---|
| 11 + 4 = ____ | 12 + 3 = ____ | 13 + 2 = ____ | 14 + 1 = ____ |
| 4 + 11 = ____ | 3 + 12 = ____ | 2 + 13 = ____ | 1 + 14 = ____ |
| 15 - 4 = ____ | 15 - 3 = ____ | 15 - 2 = ____ | 15 - 1 = ____ |
| 15 - 11 = ____ | 15 - 12 = ____ | 15 - 13 = ____ | 15 - 14 = ____ |

D-7

Instant re-play of




See if you can put in the right sign.

$<$ points to the small number.

$=$ means numbers are the same.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 13 + 1 | 15 | 1 + 13 | 14 | 8 + 7 | 15 | 15 - 4 | 9 |
| 14 - 7 | 7 | 14 - 4 | 9 | 15 - 5 | 9 | 15 - 13 | 3 |
| 6 + 8 | 14 | 14 - 8 | 6 | 4 + 11 | 13 | 1 + 14 | 13 |
| 10 + 4 | 11 | 5 + 9 | 15 | 2 + 13 | 14 | 7 + 8 | 15 |
| 14 - 3 | 10 | 14 - 2 | 11 | 6 + 9 | 15 | 15 - 9 | 6 |
| 14 - 1 | 13 | 11 + 3 | 14 | 15 - 3 | 12 | 1 + 14 | 14 |
| 9 + 5 | 12 | 4 + 10 | 14 | 15 - 14 | 2 | 3 + 12 | 14 |
| 14 - 9 | 7 | 14 - 11 | 4 | 3 + 12 | 14 | 15 - 8 | 7 |
| 7 + 7 | 14 | 2 + 12 | 13 | 15 - 7 | 8 | 9 + 6 | 13 |

My favorite movie, the best I have seen,

is the one called

| | | | |
|---|---|---|---|
| 8 + 8 = ____ | 9 + 7 = ____ | 9 + 8 = ____ | 10 + 7 = ____ |
| 16 - 8 = ____ | 7 + 9 = ____ | 8 + 9 = ____ | 7 + 10 = ____ |
| | 16 - 7 = ____ | 17 - 8 = ____ | 17 - 7 = ____ |
| | 16 - 9 = ____ | 17 - 9 = ____ | 17 - 10 = ____ |
| 10 + 6 = ____ | 11 + 5 = ____ | 11 + 6 = ____ | 12 + 5 = ____ |
| 6 + 10 = ____ | 5 + 11 = ____ | 6 + 11 = ____ | 5 + 12 = ____ |
| 16 - 6 = ____ | 16 - 5 = ____ | 17 - 6 = ____ | 17 - 5 = ____ |
| 16 - 10 = ____ | 16 - 11 = ____ | 17 - 11 = ____ | 17 - 12 = ____ |
| 12 + 4 = ____ | 13 + 3 = ____ | 13 + 4 = ____ | 14 + 3 = ____ |
| 4 + 12 = ____ | 3 + 13 = ____ | 4 + 13 = ____ | 3 + 14 = ____ |
| 16 - 4 = ____ | 16 - 3 = ____ | 17 - 4 = ____ | 17 - 3 = ____ |
| 16 - 12 = ____ | 16 - 13 = ____ | 17 - 13 = ____ | 17 - 14 = ____ |
| 14 + 2 = ____ | 15 + 1 = ____ | 15 + 2 = ____ | 16 + 1 = ____ |
| 2 + 14 = ____ | 1 + 15 = ____ | 2 + 15 = ____ | 1 + 16 = ____ |
| 16 - 2 = ____ | 16 - 1 = ____ | 17 - 2 = ____ | 17 - 1 = ____ |
| 16 - 14 = ____ | 16 - 15 = ____ | 17 - 15 = ____ | 17 - 16 = ____ |

D-9

I will tell you some things about the movie.
Use the clues tc find out what happened.

**ADD CLUES**

ALTOGETHER
HAVE TOGETHER
IN ALL
HAVE IN ALL

**SUBTRACT CLUES**

HOW MANY MORE
HAVE LEFT
ARE LEFT
HOW MUCH MORE

Dracula was lonely. He had only 3 bats. 13 bats came to see him.
How many bats were there altogether? _____

Werewolf had 17 bags of food. He fed his mad dogs 5 of the bags.
How many bags are left? _____

Dracula had a party. Nine vampires and 7 other monsters came.
How many guests did he have in all? _____

The monsters were hungry. Dracula needed 16 bags of food, but he found only 12. You know what happened to the rest. How much more food did he need? _____

D-10

. . . . . .

More about the movie . . . .

. . . . . .

Dracula had to go to the store for more food. The store was 9 miles away. When he got there, it was closed. He had to go 8 more miles to another store. How many miles did he go in all to get the food?

_____

When Dracula left, there were 16 monsters at the party. By the time he got back, 17 were there. How many more had come while he was gone?

The movie got good "reviews."

| | | | |
|---|---|---|---|
| 8 + 8 = ___ | 15 + 1 = ___ | 6 + 11 = ___ | 17 - 6 = ___ |
| 6 + 10 = ___ | 16 - 3 = ___ | 17 - 2 = ___ | 13 + 4 = ___ |
| 16 - 2 = ___ | 16 - 11 = ___ | 7 + 10 = ___ | 2 + 15 = ___ |
| 11 + 5 = ___ | 16 - 9 = ___ | 17 - 14 = ___ | 17 - 10 = ___ |
| 16 - 1 = ___ | 12 + 4 = ___ | 1 + 16 = ___ | 12 + 5 = ___ |
| 16 - 10 = ___ | 14 + 2 = ___ | 17 - 9 = ___ | 17 - 4 = ___ |

Here are the 18 and 19 tales.

We tell them with many moans and wails.

| | | | |
|---|---|---|---|
| 9 + 9 = ____<br>18 - 9 = ____ | 10 + 8 = ____<br>8 + 10 = ____<br>18 - 8 = ____<br>18 - 10 = ____ | 11 + 7 = ____<br>7 + 11 = ____<br>18 - 7 = ____<br>18 - 11 = ____ | 12 + 6 = ____<br>6 + 12 = ____<br>18 - 6 = ____<br>18 - 12 = ____ |
| 13 + 5 = ____<br>5 + 13 = ____<br>18 - 5 = ____<br>18 - 13 = ____ | 14 + 4 = ____<br>4 + 14 = ____<br>18 - 4 = ____<br>18 - 14 = ____ | 15 + 3 = ____<br>3 + 15 = ____<br>18 - 3 = ____<br>18 - 15 = ____ | 16 + 2 = ____<br>2 + 16 = ____<br>18 - 2 = ____<br>18 - 16 = ____ |
| 17 + 1 = ____<br>1 + 17 = ____<br>18 - 1 = ____<br>18 - 17 = ____ | | 10 + 9 = ____<br>9 + 10 = ____<br>19 - 9 = ____<br>19 - 10 = ____ | 11 + 8 = ____<br>8 + 11 = ____<br>19 - 8 = ____<br>19 - 11 = ____ |
| 12 + 7 = ____<br>7 + 12 = ____<br>19 - 7 = ____<br>19 - 12 = ____ | 13 + 6 = ____<br>6 + 13 = ____<br>19 - 6 = ____<br>19 - 13 = ____ | 14 + 5 = ____<br>5 + 14 = ____<br>19 - 5 = ____<br>19 - 14 = ____ | 15 + 4 = ____<br>4 + 15 = ____<br>19 - 4 = ____<br>19 - 15 = ____ |
| 16 + 3 = ____<br>3 + 16 = ____<br>19 - 3 = ____<br>19 - 16 = ____ | 17 + 2 = ____<br>2 + 17 = ____<br>19 - 2 = ____<br>19 - 17 = ____ | 18 + 1 = ____<br>1 + 18 = ____<br>19 - 1 = ____<br>19 - 18 = ____ | |

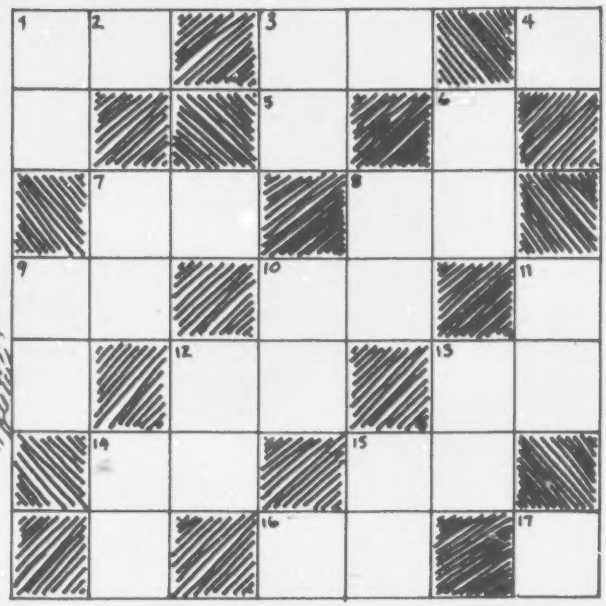
At last -- here is the story of 20.

When you want a tale, the monsters have plenty!

| | | | |
|---|---|---|---|
| 10 + 10 = ___<br>20 - 10 = ___ | 11 + 9 = ___<br>9 + 11 = ___<br>20 - 9 = ___<br>20 - 11 = ___ | 12 + 8 = ___<br>8 + 12 = ___<br>20 - 8 = ___<br>20 - 12 = ___ | |
| 14 + 6 = ___<br>6 + 14 = ___<br>20 - 6 = ___<br>20 - 14 = ___ | 15 + 5 = ___<br>5 + 15 = ___<br>20 - 5 = ___<br>20 - 15 = ___ | 16 + 4 = ___<br>4 + 16 = ___<br>20 - 4 = ___<br>20 - 16 = ___ | 13 + 7 = ___<br>7 + 13 = ___<br>20 - 7 = ___<br>20 - 13 = ___ |
| 18 + 2 = ___<br>2 + 18 = ___<br>20 - 2 = ___<br>20 - 18 = ___ | 19 + 1 = ___<br>1 + 19 = ___<br>20 - 1 = ___<br>20 - 19 = ___ | 17 + 3 = ___<br>3 + 17 = ___ | 20 - 3 = ___<br>20 - 17 = ___ |

| | | | |
|---|---|---|---|
| | | 20<br>- 2 | 8<br>+ 12 |
| 11<br>+ 9 | 20<br>- 10 | 17<br>+ 3 | 20<br>- 4 |
| 15<br>+ 5 | 14<br>+ 6 | 10<br>+ 10 | 20<br>- 13 |

Can you do this puzzle?



First do this:

## ACROSS

1. 9 + 9
3. 7 + 12
4. 20 - 11
5. 18 - 12
7. 10 + 8
8. 12 + 7
9. 3 + 16
10. 14 + 6
12. 12 + 8
13. 15 + 4
14. 1 + 17
15. 4 + 14
16. 19 - 6

Then use this to check:

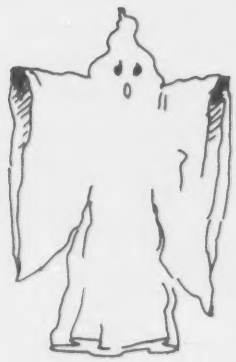
## DOWN

1. 19 - 9
2. 20 - 12
3. 8 + 8
6. 11 + 8
7. 14 + 5
8. 20 - 10
9. 5 + 13
10. 15 + 5
11. 13 + 6
13. 16 + 2
14. 19 - 9
15. 20 - 7
17. 18 - 10

D-14

Remember the clues?

| ADD | | SUBTRACT | |
|---|---|---|---|
| altogether | | how many more | |
| in all | | how much more | |
| have, has, had | together | is, are, were, have | left |



Try these.

Igor has to load 19 boxes on a truck for his master. He has loaded 11 of them so far. How many more does he have to load?

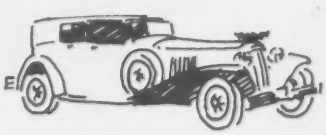
_____

Wolfman worked 9 hours on Monday night and 8 hours Tuesday night. How many hours did he work in all? _____

The haunted house has 10 ghosts in the basement and 8 in the attic. Altogether, how many ghosts are in the house?

_____

Dracula's car holds 20 gallons of gas. 8 gallons are in the tank. How much more will he need to fill it up?



_____

What is Werewolf's favorite food?

$\begin{array}{r} 16 \\ -\ 4 \\ \hline \end{array}$ =G

$\begin{array}{r} 11 \\ +\ 6 \\ \hline \end{array}$ =L

$\begin{array}{r} 17 \\ -\ 4 \\ \hline \end{array}$ =I

$\begin{array}{r} 13 \\ +\ 3 \\ \hline \end{array}$ =F

$\begin{array}{r} 14 \\ +\ 5 \\ \hline \end{array}$ =S

$\begin{array}{r} 18 \\ -\ 9 \\ \hline \end{array}$ =Y

$\begin{array}{r} 15 \\ +\ 3 \\ \hline \end{array}$ =A

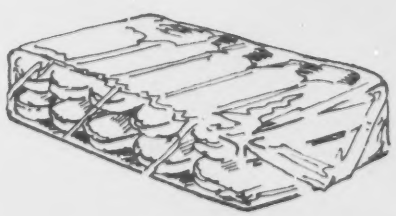
$\begin{array}{r} 20 \\ -\ 9 \\ \hline \end{array}$ =N

$\begin{array}{r} 12 \\ +\ 2 \\ \hline \end{array}$ =D

$\begin{array}{r} 12 \\ -11 \\ \hline \end{array}$ =R

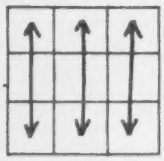
$\begin{array}{r} 15 \\ -\ 9 \\ \hline \end{array}$ =E

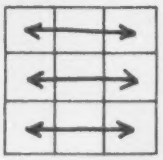
| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 17 | 18 | 14 | 9 | 16 | 13 | 11 | 12 | 6 | 1 | 19 |

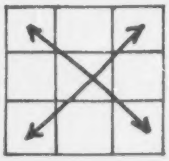


D-16

Put numbers in the squares. The numbers in each row must add up to the same sum (answer) in all 8 ways.

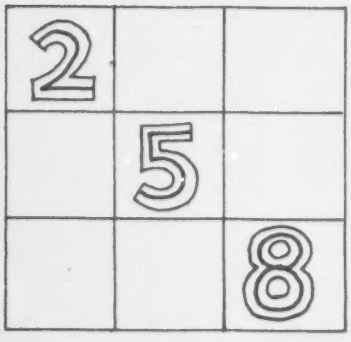

THIS WAY and


THIS WAY and

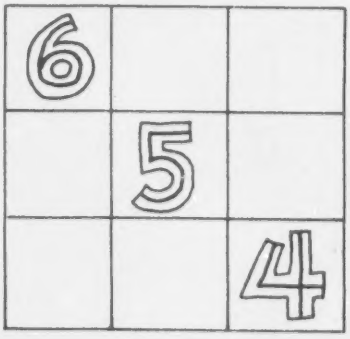

THIS WAY

Sum means the answer when you add.

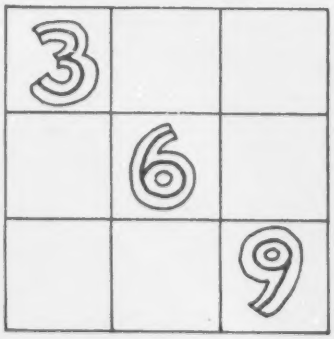
Hint! Start by adding what is there.



This magic sum is ___



This magic sum is ___



This magic sum is ___

Monsters love to play baseball.

Add the runs to find the Final Scores.

| Teams | Runs | | | | | | | | | Final Score | Winner |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Ghouls | 0 | 0 | 2 | 1 | 3 | 0 | 3 | 2 | 3 | | |
| Ghosts | 1 | 4 | 2 | 0 | 2 | 3 | 1 | 0 | 2 | | |
| Wolfmen | 4 | 3 | 1 | 0 | 2 | 3 | 0 | 5 | 1 | | |
| Giants | 6 | 2 | 0 | 3 | 1 | 2 | 0 | 3 | 1 | | |
| Bats | 0 | 1 | 1 | 3 | 2 | 0 | 1 | 2 | 2 | | |
| Crows | 2 | 0 | 2 | 1 | 3 | 0 | 1 | 3 | 1 | | |
| Fiends | 4 | 2 | 3 | 1 | 2 | 0 | 4 | 1 | 0 | | |
| Foes | 4 | 3 | 1 | 1 | 3 | 1 | 0 | 5 | 2 | | |
| Creeps | 1 | 0 | 2 | 2 | 1 | 2 | 3 | 4 | 1 | | |
| Awfuls | 0 | 2 | 1 | 1 | 0 | 2 | 1 | 2 | 2 | | |

I have a job in the post office. My job is to put the letters into the right boxes. I am confused! Can you help me?

Please!

| 0 | 1 | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|---|
| | | | | | | |
| 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| a | | | | | | |
| 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| | | | | | i | |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 17 - 10 = | 7 | a | 17 - 14 = | ___ | w | 14 + 5 = | 19 | i |
| 19 - 19 = | ___ | d | 9 - 5 + 7 = | ___ | n | 15 - 8 = | ___ | a |
| 10 + 5 + 5 = | ___ | u | 19 - 7 = | ___ | x | 19 - 4 = | ___ | t |
| 7 + 7 = | ___ | z | 9 + 8 = | ___ | s | 14 + 3 - 17 | ___ | d |
| 9 - 7 - 1 = | ___ | k | 12 - 10 = | ___ | e | 16 - 2 | ___ | z |
| 18 - 10 = | ___ | f | 20 - 5 - 10 = | ___ | v | 1 + 17 - 2 = | ___ | h |
| 15 - 9 = | ___ | m | 7 + 6 = | ___ | c | 14 - 13 = | ___ | k |
| 8 + 8 = | ___ | h | 13 - 9 = | ___ | y | 9 + 4 = | ___ | c |
| 9 + 11 = | ___ | u | 11 + 4 = | ___ | t | 20 - 3 = | ___ | s |
| 20 - 1 = | ___ | i | 17 - 8 = | ___ | p | 17 - 9 = | ___ | f |
| 13 + 5 - 8 = | ___ | b | 19 - 2 - 13 = | ___ | y | 15 - 3 = | ___ | x |
| 9 + 9 = | ___ | r | 6 + 5 = | ___ | n | 15 - 6 = | ___ | p |

# A Number Chart 0 - 99

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 |
| 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 |
| 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 |
| 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 |
| 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 |
| 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 |
| 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 |
| 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 |

NINETY 90 = 9 groups of 10
EIGHTY 80 = 8 groups of 10
SEVENTY 70 = 7 groups of 10
SIXTY 60 = 6 groups of 10
FIFTY 50 = 5 groups of 10
FORTY 40 = 4 groups of 10
THIRTY 30 = 3 groups of 10

E-1

30 = 3 groups of ten

10 | 10 | 10 = 30

__ _____

30 thirty

__ _____

---

40 = 4 groups of ten

10 | 10 | 10 | 10 = 40

__ _____

40 forty

__ _____

---

50 = 5 groups of 10

10 | 10 | 10 | 10 | 10 = 50

__ _____

50 fifty

__ _____

---

Write ---

| 30 thirty | 40 forty | 50 fifty |
|---|---|---|
| __ _____ | __ _____ | __ _____ |
| __ _____ | __ _____ | __ _____ |

# COPY

60 6 groups of ten

| 10 | 10 | 10 | 10 | 10 | 10 |
|---|---|---|---|---|---|
| __ | __ | __ | __ | __ | __ |

__ _____

60 sixty

__ _____

70 7 groups of ten

| 10 | 10 | 10 | 10 | 10 | 10 | 10 |
|---|---|---|---|---|---|---|
| __ | __ | __ | __ | __ | __ | __ |

__ _____

70 seventy

__ _____

80 8 groups of ten

| 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
|---|---|---|---|---|---|---|---|
| __ | __ | __ | __ | __ | __ | __ | __ |

__ _____

80 eighty

__ _____

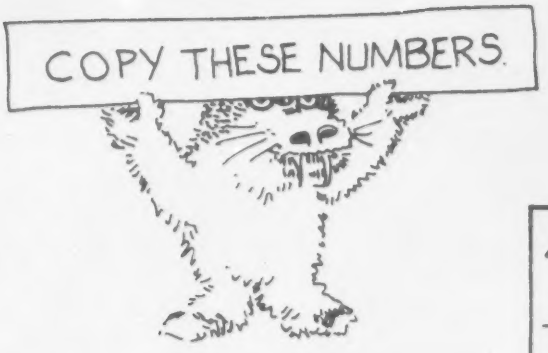
90 9 groups of ten

| 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
|---|---|---|---|---|---|---|---|---|
| __ | __ | __ | __ | __ | __ | __ | __ | __ |

__ _____

90 ninety

__ _____




| 30 thirty |
| --- |
| ___ ___ |
| ___ ___ |
| ___ ___ |

| 40 forty | 50 fifty |
| --- | --- |
| ___ ___ | ___ ___ |
| ___ ___ | ___ ___ |
| ___ ___ | ___ ___ |

| 60 sixty | 70 seventy | 80 eighty | 90 ninety |
| --- | --- | --- | --- |
| ___ ___ | ___ ___ | ___ ___ | ___ ___ |
| ___ ___ | ___ ___ | ___ ___ | ___ ___ |
| ___ ___ | ___ ___ | ___ ___ | ___ ___ |

Fill in the blanks.

40 = ____ groups of ten

____ = 7 groups of ten

90 = ____ groups of ten

20 = 2 groups of ____

____ = 3 groups of ten

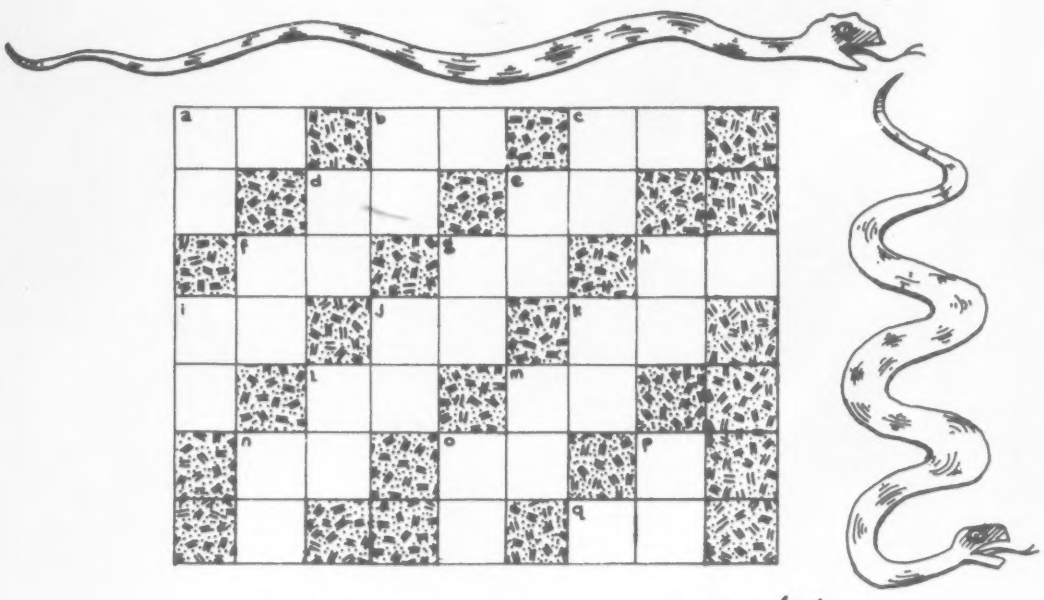
50 = ____ groups of ten

80 = 8 groups of ____

____ = 6 groups of ____

# CROSS-NUMBER PUZZLE

Do the ACROSS. Then check your work by doing the DOWN.



## ACROSS

a. 8 groups of ten
b. 30 + 0
c. 4 groups of ten
d. 5 groups of ten
e. 90 + 0
f. 20 + 0
g. 1 group of ten
h. 60 + 0
i. sixty
j. seventy
k. ninety
l. 2 tens
m. thirty
n. forty
o. fifty
q. eighty

## DOWN

a. 80 + 0
b. 3 groups of ten
c. 40 + 0
d. 50 + 0
e. 9 groups of ten
f. twenty
g. ten
h. sixty
i. 6 groups of ten
j. 70 + 0
k. 90 + 0
l. 2 groups of ten
m. 30 + 0
n. 4 tens
o. 5 tens
p. seventy

# take your places!

Remember how 13 = 10 + 3, 17 = 10 + 7, and all?
Well, numbers in the 20's, 30's, 40's, 50's, 60's, 70's, 80's, and 90's all work the same way.
Look.

36 means 30 + 6 → 3 6 → 3 groups of ten, 6 ones

36 = 3 groups of ten + 6 and 36 = thirty-six

---

42 means 40 + 2 → 4 2 → 4 groups of ten, 2 ones

42 = 4 groups of ten + 2 and 42 = forty-two

---

Another way to see it.

$$\begin{array}{r} 36 \\ +\ 6 \\ \hline 36 \end{array} \qquad \begin{array}{r} 42 \\ +\ 2 \\ \hline 42 \end{array}$$

$$\begin{array}{r} 75 \\ +\ 5 \\ \hline 75 \end{array}$$

# Now you try some

29 = 2 groups of ten + 9

57 = ___ groups of ten + ___

34 = ___ groups of ten + ___

73 = ___ groups of ten + ___

68 = ___ groups of ten + ___

96 → 90 + 6

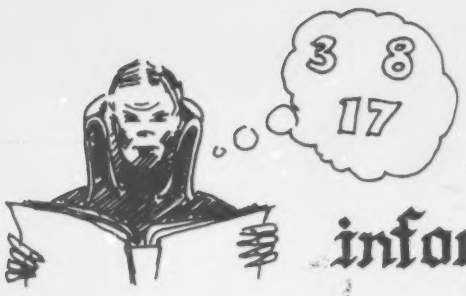
85 → 80 + ___

41 → ___ + 1

32 → ___ + ___

## Match

| | | | |
|---|---|---|---|
| 27 | 70 + 8 | 31 | 90 + 5 |
| 47 | 80 + 3 | 54 | 30 + 1 |
| 83 | 20 + 7 | 95 | 90 + 6 |
| 62 | 40 + 7 | 96 | 40 + 9 |
| 78 | 60 + 2 | 49 | 50 + 4 |




# some useful information

You can read and write any number up to 99 if you use this chart!

| Teens | Tens | Ones |
|---|---|---|
| 11 eleven | 10 ten | 1 one |
| 12 twelve | 20 twenty | 2 two |
| 13 thirteen | 30 thirty | 3 three |
| 14 fourteen | 40 forty | 4 four |
| 15 fifteen | 50 fifty | 5 five |
| 16 sixteen | 60 sixty | 6 six |
| 17 seventeen | 70 seventy | 7 seven |
| 18 eighteen | 80 eighty | 8 eight |
| 19 nineteen | 90 ninety | 9 nine |

This is how to use it.

83 means 80 + 3. 80 is eighty. 3 is three.
So 83 = eighty-three

forty-seven = forty + seven

forty = 40
seven = +7

So forty-seven = 47

E-8

I do not think that chart will work, but I will use it to do this page. Why don't you try it too? Use the chart.

## Write the numbers:

| | |
|---|---|
| 23 twenty-three | 31 _____ |
| twenty-one 21 | thirty-five _____ |
| twenty _____ | 39 _____ |
| 22 _____ | 37 _____ |
| 25 _____ | thirty-three _____ |
| twenty-nine _____ | 36 _____ |
| twenty-six _____ | thirty-two _____ |
| 24 _____ | thirty-eight _____ |
| twenty-seven _____ | 30 _____ |
| 28 _____ | thirty-four _____ |

E-9

# OK,

so I was wrong.
The number chart does work.
Let's use it again.

## FILL IN:

| | | | |
|---|---|---|---|
| 47 | _____ | fifty-six | _____ |
| 49 | _____ | fifty-nine | _____ |
| 45 | _____ | fifty | _____ |
| 43 | _____ | fifty-two | _____ |
| 46 | _____ | fifty-seven | _____ |
| 42 | _____ | fifty-three | _____ |
| 40 | _____ | fifty-one | _____ |
| 48 | _____ | fifty-four | _____ |
| 41 | _____ | fifty-eight | _____ |
| 44 | _____ | fifty-five | _____ |

E-10

# Got a match?

| | | | |
|---|---|---|---|
| 60 | sixty-four | seventy | 76 |
| 61 | sixty-three | seventy-one | 73 |
| 62 | sixty | seventy-two | 71 |
| 63 | sixty-one | seventy-three | 70 |
| 64 | sixty-five | seventy-four | 72 |
| 65 | sixty-two | seventy-five | 75 |
| 66 | sixty-nine | seventy-six | 77 |
| 67 | sixty-eight | seventy-seven | 79 |
| 68 | sixty-seven | seventy-eight | 74 |
| 69 | sixty-six | seventy-nine | 78 |

E-11

OK! YOU THINK YOU ARE SO SMART!

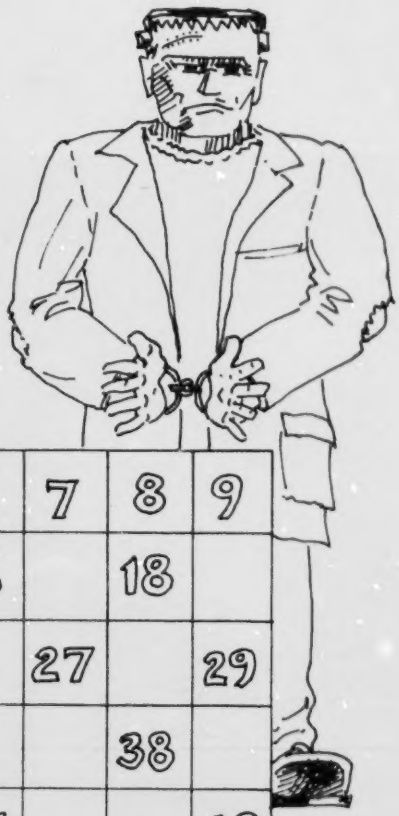
# BET YOU CAN'T DO THIS!

| | | | | | |
|---|---|---|---|---|---|
| 80 + 3 | 83 | eighty-three | 90 + 7 | | |
| 80 + 4 | | | 90 + 3 | | |
| 80 + 7 | | | 90 + 1 | | |
| 80 + 0 | | | 90 + 5 | | |
| 80 + 9 | | | 90 + 0 | | |
| 80 + 6 | | | 90 + 4 | | |
| 80 + 2 | | | 90 + 9 | | |
| 80 + 5 | | | 90 + 6 | | |
| 80 + 1 | | | 90 + 8 | | |
| 80 + 8 | | | 90 + 2 | | |

Frankenstein is having a hard time.

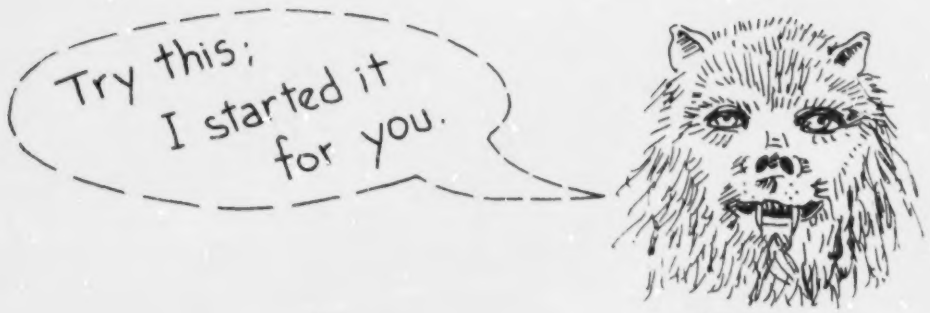
He is trying to write the numbers.

Can you "give him a hand"?



| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 10 | | 12 | | 14 | | 16 | | 18 | |
| 20 | 21 | | 23 | | 25 | | 27 | | 29 |
| 30 | | | | 34 | | | | 38 | |
| 40 | | | 43 | | | 46 | | | 49 |
| | 51 | | | | 55 | | | 58 | |
| 60 | | | | 64 | | | | | 69 |
| | | 72 | 73 | | | | 77 | | |
| | 81 | | | | | 86 | | | |
| 90 | | | | 94 | | | | 98 | |

E-13




| | | |
|---|---|---|
| 30<br>+ 50<br>80 = eighty | 20<br>+30<br>= fifty | 40<br>+ 40<br>80 = _____ |
| 10<br>+ 10<br>= _____ | 20<br>+ 10<br>= _____ | 10<br>+ 30<br>= _____ |
| 40<br>+ 10<br>= _____ | 20<br>+ 40<br>= _____ | 50<br>+ 20<br>= _____ |
| 20<br>+ 60<br>= _____ | 40<br>+ 50<br>= _____ | 20<br>+ 20<br>= _____ |
| 30<br>+ 30<br>= _____ | 30<br>+ 40<br>= _____ | 20<br>+ 70<br>= _____ |

Will you look at this!
Just when you think you know the answers,
they change all the questions!
Well, I will give it a try,
if you will too.

| | | |
|---|---|---|
| 80 → eighty | 90 → ninety | 50 → fifty |
| - 20 → twenty | - 20 → twenty | - 10 → ten |
| 60 → sixty | 70 → seventy | 40 → forty |

---

| | | |
|---|---|---|
| 70 → seventy | | 40 → |
| - 30 → | | - 20 → twenty |
| → | | → |

---

| | | |
|---|---|---|
| 80 → eighty | 70 → | 60 → |
| - 30 → | - 40 → | - 50 → |
| → | → | → |

---

| | | |
|---|---|---|
| 90 → | 50 → | 90 → |
| - 30 → | - 20 → | - 80 → |
| → | → | → |

---

| | | |
|---|---|---|
| 80 → | 60 → | 90 → |
| - 70 → | - 40 → | - 50 → |
| → | → | → |

F-2

Add:

| | | | | |
|---|---|---|---|---|
| 90<br>+ 6 | 40<br>+ 7 | 60<br>+ 3 | 50<br>+ 8 | 30<br>+ 1 |
| 40<br>+ 10 | 30<br>+ 30 | 60<br>+ 20 | 50<br>+ 30 | 70<br>+ 20 |

Subtract:

| | | | | |
|---|---|---|---|---|
| 50<br>- 30 | 90<br>- 60 | 20<br>- 10 | 70<br>- 60 | 80<br>- 50 |
| 80<br>- 10 | 40<br>- 30 | 70<br>- 30 | 50<br>- 40 | 90<br>- 50 |

Match

| | | | |
|---|---|---|---|
| 10 + 10 | thirty | 60 + 30 | seventy |
| 40 + 20 | eighty | 80 - 40 | ninety |
| 70 - 40 | sixty | 20 + 50 | fifty |
| 90 - 10 | twenty | 70 - 20 | forty |

F-3

| tens | ones |
|---|---|
| 2 | 3 |
| + | 5 |

| tens | ones |
|---|---|
| 3 | 7 |
| + | 2 |

| tens | ones |
|---|---|
| 9 | 8 |
| + | 0 |

| tens | ones |
|---|---|
| 6 | 3 |
| + | 2 |

| tens | ones |
|---|---|
| 4 | 1 |
| + | 8 |

| tens | ones |
|---|---|
| 5 | 2 |
| + | 6 |

| | |
|---|---|
| 8 | 4 |
| + | 0 |

| | |
|---|---|
| 3 | 5 |
| + | 2 |

| | |
|---|---|
| 6 | 6 |
| + | 1 |

| | |
|---|---|
| 7 | 5 |
| + | 1 |

| | |
|---|---|
| 9 | 1 |
| + | 7 |

| | |
|---|---|
| 8 | 3 |
| + | 3 |

| | |
|---|---|
| 4 | 2 |
| + | 2 |

| | |
|---|---|
| 6 | 3 |
| + | 0 |

| | |
|---|---|
| 7 | 3 |
| + | 4 |

| | |
|---|---|
| 5 | 1 |
| + | 3 |

| | |
|---|---|
| 5 | 9 |
| + | 0 |

| | |
|---|---|
| 2 | 4 |
| + | 1 |

| | |
|---|---|
| 9 | 3 |
| + | 6 |

| | |
|---|---|
| 8 | 4 |
| + | 5 |

| | |
|---|---|
| 7 | 2 |
| + | 4 |

| | |
|---|---|
| 8 | 2 |
| + | 1 |

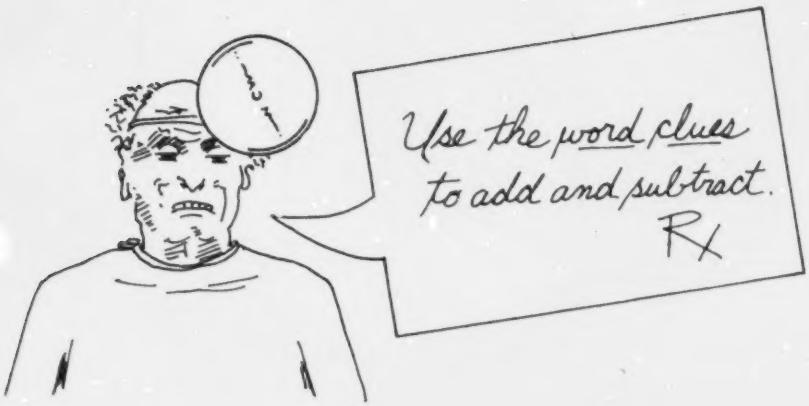
| | |
|---|---|
| 6 | 4 |
| + | 5 |

| | |
|---|---|
| 2 | 4 |
| + | 4 |

Wolfman is working in a parts department. He just got an order. He has to take the items out of the bins, and count how many are left. Can you help him?

| | | | |
|---|---|---|---|
| Wrenches<br>26<br>- 4 | Pipe<br>49<br>- 8 | Drills<br>37<br>- 5 | Pliers<br>25<br>- 3 |
| Hammers<br>58<br>- 5 | Nails<br>73<br>- 2 | Levels<br>94<br>- 2 | Rulers<br>69<br>- 6 |
| Screwdrivers<br>41<br>- 1 | Screws<br>69<br>- 5 | Wire<br>98<br>- 4 | Chain<br>76<br>- 3 |
| Bits<br>56<br>- 5 | Cutters<br>97<br>- 3 | Pins<br>89<br>- 7 | Bolts<br>43<br>- 3 |

F-5




1. Dracula had 48 bats. 7 bats flew away. How many bats were left? ____

2. Igor wants to give his master 28 spiders on his birthday next week. He has 5 now. How many more does he have to catch? ____

3. Wolfman caught only 6 victims last week, and 32 this week. How many victims did he get altogether? ____

4. Frankenstein worked 24 hours last week, and 5 hours so far this week. How many hours has he worked in all? ____

5. A mad doctor needs 57 bags of food to feed his dogs. He has only 5 bags. How much more food does he need? ____

6. Eight monsters were at Dracula's house. Sixty-one more came during the night. How many monsters had come together? ____

Igor is working in a pencil factory. He has to put the pencils into the boxes and find how many pencils there are in each box.

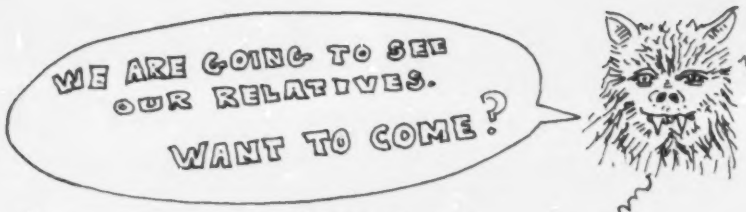
See if you can do it too.

| | | | | |
|---|---|---|---|---|
| Blue<br>24<br>+ 30 | Green<br>62<br>+ 20 | Red<br>47<br>+ 50 | Yellow<br>36<br>+ 60 | Brown<br>58<br>+ 20 |
| Black<br>40<br>+ 12 | Purple<br>73<br>+ 10 | White<br>54<br>+ 30 | Orange<br>41<br>+ 40 | Pink<br>70<br>+ 24 |
| Tan<br>16<br>+ 80 | Aqua<br>20<br>+ 32 | Grey<br>56<br>+ 30 | Lime<br>71<br>+ 10 | Gold<br>85<br>+ 10 |
| Silver<br>40<br>+ 27 | Beige<br>31<br>+ 60 | Baby Blue<br>10<br>+ 82 | Hot Pink<br>77<br>+ 20 | Maize<br>40<br>+ 37 |
| Royal Blue<br>63<br>+ 20 | Red-Orange<br>41<br>+ 50 | Green-Blue<br>30<br>+ 22 | Copper<br>86<br>+ 10 | Lavender<br>60<br>+ 28 |

F-7

Wolfman works in the same factory. His job is to take pencils out of the boxes and to find how many are left.

| | | | | |
|---|---|---|---|---|
| Blue<br>68<br>- 30 | Green<br>47<br>- 20 | Red<br>83<br>- 40 | Yellow<br>97<br>- 50 | Brown<br>24<br>- 10 |
| Black<br>55<br>- 40 | Purple<br>72<br>- 60 | White<br>34<br>- 20 | Orange<br>87<br>- 70 | Pink<br>65<br>- 50 |
| Tan<br>93<br>- 90 | Aqua<br>41<br>- 40 | Grey<br>69<br>- 60 | Lime<br>35<br>- 30 | Gold<br>82<br>- 80 |
| Silver<br>96<br>- 90 | Beige<br>63<br>- 50 | Baby Blue<br>47<br>- 10 | Hot Pink<br>81<br>- 40 | Maize<br>68<br>- 30 |
| Royal Blue<br>56<br>- 30 | Red-<br>Orange<br>73<br>- 70 | Silver-<br>Blue<br>49<br>- 30 | Copper<br>99<br>- 90 | Lavender<br>48<br>- 20 |




$\begin{array}{r} 76 \\ -30 \\ \hline \end{array}$ $\begin{array}{r} 46 \\ +30 \\ \hline \end{array}$ $\begin{array}{r} 67 \\ +20 \\ \hline \end{array}$ $\begin{array}{r} 87 \\ -20 \\ \hline \end{array}$ $\begin{array}{r} 45 \\ +30 \\ \hline \end{array}$ $\begin{array}{r} 75 \\ -30 \\ \hline \end{array}$

$\begin{array}{r} 95 \\ -10 \\ \hline \end{array}$ $\begin{array}{r} 85 \\ +10 \\ \hline \end{array}$ $\begin{array}{r} 63 \\ +20 \\ \hline \end{array}$ $\begin{array}{r} 83 \\ -20 \\ \hline \end{array}$ $\begin{array}{r} 94 \\ -50 \\ \hline \end{array}$ $\begin{array}{r} 50 \\ +44 \\ \hline \end{array}$

$\begin{array}{r} 94 \\ -70 \\ \hline \end{array}$ $\begin{array}{r} 24 \\ +70 \\ \hline \end{array}$ $\begin{array}{r} 75 \\ -30 \\ \hline \end{array}$ $\begin{array}{r} 45 \\ +30 \\ \hline \end{array}$ $\begin{array}{r} 60 \\ +26 \\ \hline \end{array}$ $\begin{array}{r} 86 \\ -60 \\ \hline \end{array}$

$\begin{array}{r} 66 \\ -20 \\ \hline \end{array}$ $\begin{array}{r} 46 \\ +20 \\ \hline \end{array}$

WOLFMAN CAN'T WAIT TO GET TO GRANDMOTHER'S HOUSE!

$\begin{array}{r} 47 \\ +20 \\ \hline \end{array}$ $\begin{array}{r} 67 \\ -20 \\ \hline \end{array}$ $\begin{array}{r} 76 \\ -50 \\ \hline \end{array}$ $\begin{array}{r} 50 \\ +26 \\ \hline \end{array}$

$\begin{array}{r} 95 \\ -60 \\ \hline \end{array}$ $\begin{array}{r} 60 \\ +35 \\ \hline \end{array}$

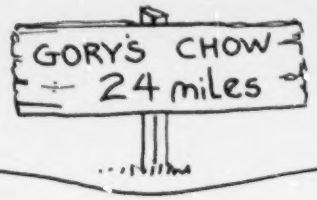
$\begin{array}{r} 24 \\ +20 \\ \hline \end{array}$ $\begin{array}{r} 44 \\ -20 \\ \hline \end{array}$

F-9

Here are those rats again. This time they are very hungry. I want to get off this page fast!

| | | | |
|---|---|---|---|
| 76<br>- 24 | 92<br>- 11 | 27<br>- 13 | 96<br>- 73 |
| 48<br>- 47 | 65<br>- 62 | 95<br>- 91 | 86<br>- 82 | 53<br>- 51 |
| 89<br>- 64 | 92<br>- 61 | 88<br>- 66 | 43<br>- 32 |
| 43<br>- 21 | 57<br>- 36 | 49<br>- 47 | 76<br>- 72 |
| 92<br>- 42 | 75<br>- 45 | 66<br>- 56 | 83<br>- 23 | 34<br>- 14 |

Please show the rat where to find his food.



20 + 13 = ____

40 + 28 = ____ | 60 + 19 = ____ | 80 + 11 = ____ | 50 + 24 = ____ | 30 + 37 = ____ | 70 + 22 = ____

25 + 72 = ____ | 83 + 16 = ____ | 47 + 32 = ____ | 31 + 28 = ____ | 61 + 33 = ____ | 20 + 35 = ____

47 + 12 = ____

15 + 63 = ____ | 72 + 22 = ____ | 63 + 24 = ____ | 32 + 23 = ____ | 47 + 41 = ____ | 82 + 15 = ____

29 + 60 = ____ | 76 + 20 = ____ | 65 + 30 = ____ | 27 + 40 = ____

GORY'S 40 ft.

Remember . . . .

1. Add the ones.
2. Add the tens.

| tens | ones |
|---|---|
| 4 | 3 |
| + 5 | 4 |

| tens | ones |
|---|---|
| 7 | 5 |
| + 2 | 3 |

| tens | ones |
|---|---|
| 3 | 6 |
| + 2 | 1 |

| tens | ones |
|---|---|
| 5 | 2 |
| + 3 | 7 |

| | |
|---|---|
| 2 | 8 |
| + 6 | 1 |

| | |
|---|---|
| 3 | 3 |
| + 2 | 2 |

| | |
|---|---|
| 4 | 7 |
| + 1 | 2 |

| | |
|---|---|
| 6 | 5 |
| + 3 | 2 |

| | |
|---|---|
| 6 | 0 |
| + 1 | 3 |

| | |
|---|---|
| 4 | 7 |
| + 3 | 0 |

| | |
|---|---|
| 8 | 0 |
| + 1 | 9 |

| | |
|---|---|
| 5 | 6 |
| + 4 | 0 |

| | |
|---|---|
| 2 | 0 |
| + 7 | 4 |

| | |
|---|---|
| 3 | 6 |
| + 2 | 0 |

| | |
|---|---|
| 4 | 0 |
| + 4 | 2 |

| | |
|---|---|
| 3 | 8 |
| + 3 | 0 |

| | |
|---|---|
| 2 | 0 |
| + 5 | 0 |

| | |
|---|---|
| 4 | 0 |
| + 3 | 0 |

| | |
|---|---|
| 5 | 0 |
| + 1 | 0 |

| | |
|---|---|
| 2 | 0 |
| + 6 | 0 |

When you see a problem like this . . .

$32 + 45 = ___$

Write it like this

$$\begin{array}{r} 3\,2 \\ +\,4\,5 \\ \hline \end{array}$$

Then do it.

Be careful to line up the tens and the ones!

Try these:

$47 + 22 = ___$

$$\begin{array}{r} 4\,7 \\ +\,2\,2 \\ \hline \end{array}$$

$24 + 3 = ___$

$$\begin{array}{r} 2\,4 \\ +\quad 3 \\ \hline \end{array}$$

$56 + 2 = ___$

$$\begin{array}{r} 5\,6 \\ +\quad 2 \\ \hline \end{array}$$

---

$63 + 36 = ___$

$$\begin{array}{r} 6\,3 \\ +\,3\,6 \\ \hline \end{array}$$

$25 + 32 = ___$

$$\begin{array}{r} 2\,5 \\ +\,3\,2 \\ \hline \end{array}$$

$76 + 3 = ___$

$$\begin{array}{r} 7\,6 \\ +\quad 3 \\ \hline \end{array}$$

---

$61 + 7 = ___$

$42 + 55 = ___$

$$\begin{array}{r} 4\,2 \\ +\,5\,5 \\ \hline \end{array}$$

$20 + 36 = ___$

$30 + 62 = ___$

$10 + 85 = ___$

$24 + 4 = ___$

I am having trouble. I do not remember how to line up the numbers.

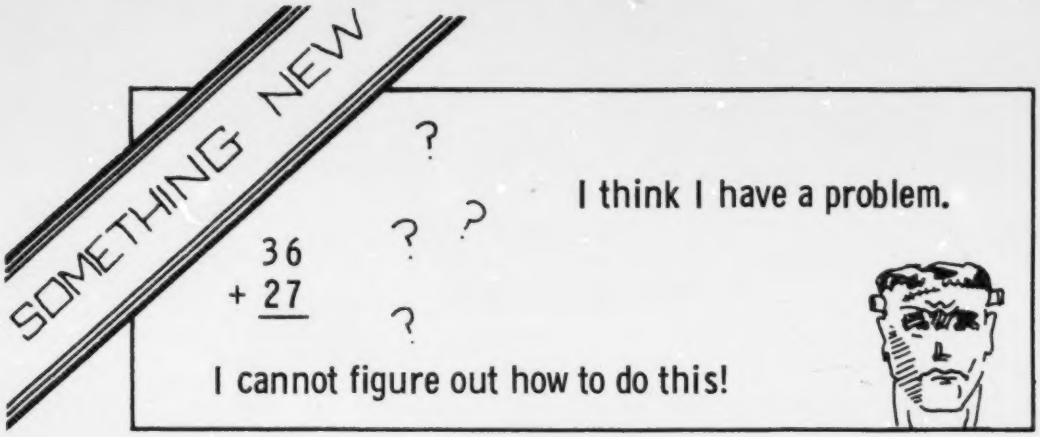
HELP!

| | | | | |
|---|---|---|---|---|
| 46 - 25 = ___<br>46<br>- 25 | 75 - 4 = ___<br>75<br>- 4 | 48 - 5 = ___<br>48<br>- 5 | 47 - 21 = ___<br>47<br>- ___ | 86 - 3 = ___<br>86<br>- ___ |
| 37 - 24 = ___<br>37<br>- ___ | 63 - 41 = ___ | 98 - 65 = ___ | 76 - 15 = ___ | 87 - 74 = ___ |
| 59 - 6 = ___<br>59<br>- 6 | 75 - 3 = ___ | 45 - 4 = ___ | 89 - 7 = ___ | 47 - 3 = ___ |
| 99 - 45 = ___ | 78 - 3 = ___ | 54 - 52 = ___ | 47 - 1 = ___ | 67 - 65 = ___ |

# DO YOU REMEMBER? WATCH THE SIGNS!

| | | | | |
|---|---|---|---|---|
| 30<br>+40 | sixty<br>+thirty | seventy<br>+twenty | 20<br>+50 | 40<br>- 10 |
| 90<br>- 50 | 70<br>- 60 | eighty<br>- forty | 20<br>+ 7 | 40<br>+ 3 |
| 70<br>+ 7 | 43<br>+ 5 | 21<br>+ 8 | 62<br>+ 6 | 73<br>+ 2 |
| 98<br>- 6 | 46<br>- 3 | 84<br>- 4 | 92<br>- 2 | 89<br>- 7 |
| 30<br>+26 | 42<br>+50 | 83<br>- 20 | 27<br>- 20 | 86<br>- 80 |

46 + 22 = ___ 87 - 11 = ___ 95 - 63 = ___ 48 + 31 = ___




Well, it is different. Let's see.

Add the ones:

$$\begin{array}{r} 6 \\ +\ 7 \\ \hline 13 \end{array}$$

| tens | ones |
|---|---|
| 3 | 6 |
| +2 | 7 |

Add the tens:

$$\begin{array}{rr} 3 \text{ tens} & 30 \\ +\ 2 \text{ tens} & 20 \\ \hline & 50 \end{array}$$

Then add the two

$$\begin{array}{r} 50 \\ +\ 13 \\ \hline 63 \end{array}$$

OK -- Now I see.

$$\begin{array}{r} 36 \\ +\ 27 \\ \hline 63 \end{array}$$

But there <u>has</u> to be an easier way to do it!

Yes -- there is an easier way.

It is called CARRYING.

This is how to do it.

Problem:
$$\begin{array}{r} 37 \\ +\ 5 \\ \hline \end{array}$$

Steps:

1. Add the ones:
$$\begin{array}{r} 7 \\ +\ 5 \\ \hline 12 \end{array}$$
= 1 group of ten + 2

2. Write the 2 under the ones and carry the 1 over to the tens.

$$\begin{array}{r} {\scriptstyle 1}\ \ \\ 3\ 7 \\ +\ 5 \\ \hline 2 \end{array}$$

3. Add the tens: 1 + 3 = 4 (10 + 30 = 40)

$$\begin{array}{r} {\scriptstyle 1}\ \ \\ 3\ 7 \\ +\ 5 \\ \hline 4\ 2 \end{array}$$

OK! Let me try some!

$$\begin{array}{r} {\scriptstyle 1}\ \ \\ 4\ 5 \\ +\ 8 \\ \hline 5\ 3 \end{array}$$

5 + 8 = 13. Write 3 and carry 1.
1 + 4 = 5

Finish these:

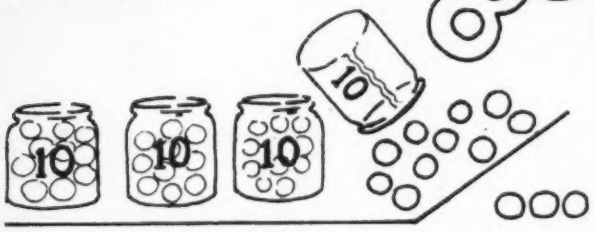
$$\begin{array}{r} {\scriptstyle 1}\ \ \\ 3\ 7 \\ +\ 4 \\ \hline 1 \end{array} \qquad \begin{array}{r} {\scriptstyle 1}\ \ \\ 5\ 6 \\ +\ 7 \\ \hline 3 \end{array} \qquad \begin{array}{r} {\scriptstyle 1}\ \ \\ 3\ 9 \\ +\ 9 \\ \hline 8 \end{array} \qquad \begin{array}{r} {\scriptstyle 1}\ \ \\ 2\ 6 \\ +\ 8 \\ \hline 4 \end{array}$$

Another way to think about carrying.

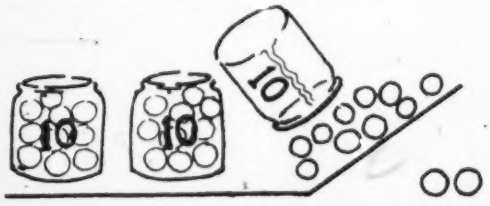
Put numbers together in a different way.

Group the marbles --

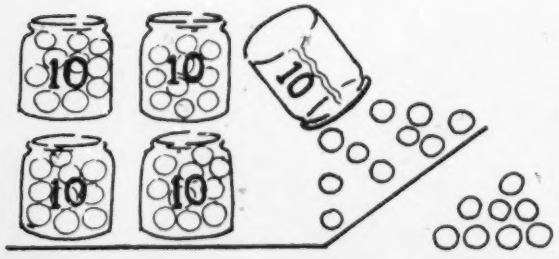
10 in a jar.

43 = 

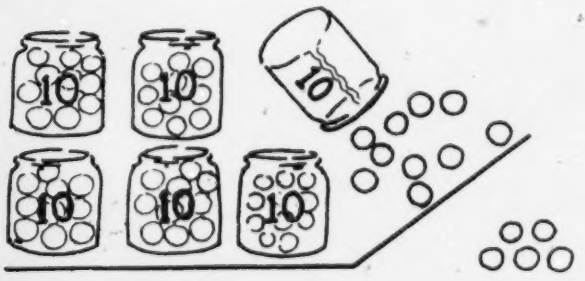
43 = 40 + 3 or 30 + 13

32 = 

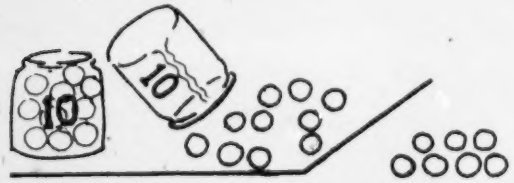
32 = 30 + ___ or 20 + ___

58 = 

58 = ___ + 8 or ___ + 18

65 = 

65 = ___ + ___ or ___ + ___

27 = 

27 = ___ + ___ or ___ + ___

When Igor heard about an easy way to carry, he came right over.

Remember, add the ones first.

tens ones

$$\begin{array}{r} {\scriptstyle 1}\\ 27\\ +\ 5\\ \hline 32 \end{array}$$

tens ones

$$\begin{array}{r} {\scriptstyle 1}\\ 36\\ +\ 8\\ \hline 44 \end{array}$$

tens ones

$$\begin{array}{r} {\scriptstyle 1}\\ 18\\ +\ 3\\ \hline 1 \end{array}$$

tens ones

$$\begin{array}{r} 44\\ +\ 7\\ \hline \end{array}$$

tens ones

$$\begin{array}{r} 26\\ +\ 6\\ \hline \end{array}$$

tens ones

$$\begin{array}{r} {\scriptstyle 1}\\ 32\\ +\ 9\\ \hline 41 \end{array}$$

tens ones

$$\begin{array}{r} {\scriptstyle 1}\\ 27\\ +\ 6\\ \hline 3 \end{array}$$

tens ones

$$\begin{array}{r} 13\\ +\ 9\\ \hline \end{array}$$

tens ones

$$\begin{array}{r} 58\\ +\ 5\\ \hline \end{array}$$

tens ones

$$\begin{array}{r} {\scriptstyle 1}\\ 36\\ +\ 4\\ \hline 40 \end{array}$$

tens ones

$$\begin{array}{r} {\scriptstyle 1}\\ 21\\ +\ 9\\ \hline 0 \end{array}$$

tens ones

$$\begin{array}{r} 27\\ +\ 3\\ \hline \end{array}$$

tens ones

$$\begin{array}{r} 55\\ +\ 5\\ \hline \end{array}$$

tens ones

$$\begin{array}{r} {\scriptstyle 1}\\ 72\\ +\ 8\\ \hline 0 \end{array}$$

tens ones

$$\begin{array}{r} 83\\ +\ 7\\ \hline \end{array}$$

tens ones

$$\begin{array}{r} 44\\ +\ 6\\ \hline \end{array}$$

tens ones

$$\begin{array}{r} 68\\ +\ 2\\ \hline \end{array}$$

tens ones

$$\begin{array}{r} 28\\ +\ 4\\ \hline \end{array}$$

tens ones

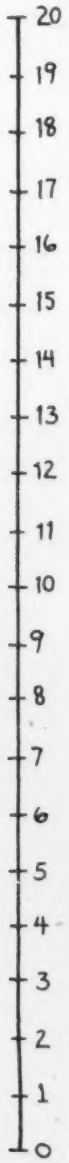
$$\begin{array}{r} 47\\ +\ 6\\ \hline \end{array}$$

tens ones

$$\begin{array}{r} 56\\ +\ 5\\ \hline \end{array}$$

tens ones

$$\begin{array}{r} 75\\ +\ 9\\ \hline \end{array}$$



Try this.

Remember to put ones under ones and tens under tens.

| | | | |
|---|---|---|---|
| 15+6 = 21<br>1<br>15<br>+ 6<br>21 | 25+6 = _____<br>25<br>+ 6 | 35+6 = _____ | 45+6 = _____ |
| 18+5 = _____<br>18<br>+ 5 | 28+5 = _____ | 38+5 = _____ | 48+5 = _____ |
| 17+8 = _____<br>17<br>+ 8 | 27+8 = _____ | 37+8 = _____ | 47+8 = _____ |
| 18+4 = _____ | 28+4 = _____ | 38+4 = _____ | 48+4 = _____ |
| 14+7 = _____ | 24+7 = _____ | 34+7 = _____ | 44+7 = _____ |

# Why do Demons & Ghouls get along so well ?

| | | | | |
|---|---|---|---|---|
| 45 + 27 = 72 = N | 29 + 26 = T | 35 + 28 = E | 23 + 48 = F | 37 + 7 = I |
| 14 + 16 = H | 16 + 29 = L | 67 + 13 = G | 29 + 47 = D | 16 + 18 = R |
| 67 + 24 = O | 76 + 14 = M | 45 + 48 = B | 17 + 29 = U | 36 + 38 = S |
| 37 + 58 = A | | | | |

**Because**

| | | | | | |
|---|---|---|---|---|---|
| 76 | 63 | 90 | 91 | 72 | 74 |

,

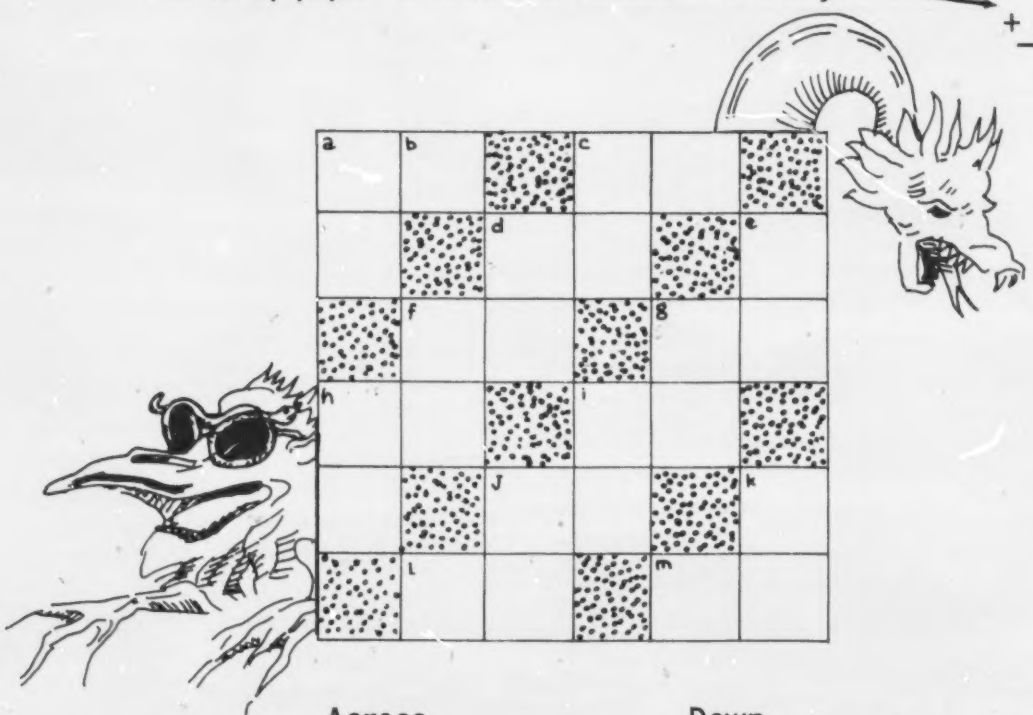
| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 95 | 34 | 63 | 95 | 80 | 30 | 91 | 46 | 45 | 74 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 93 | 63 | 74 | 55 | 71 | 34 | 44 | 63 | N 72 | 76 |

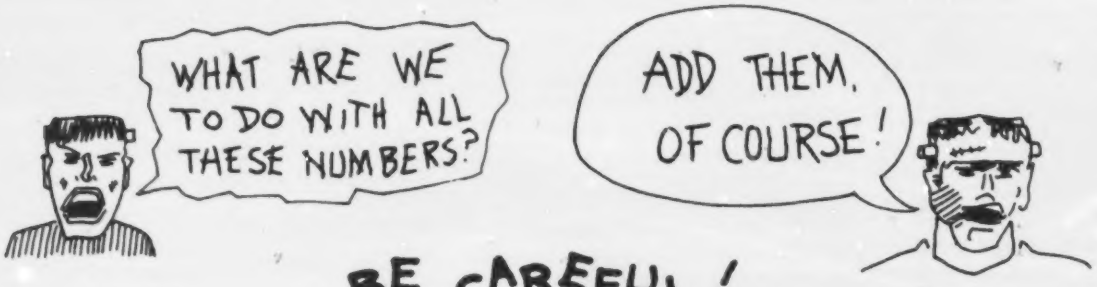
Here is a puzzle for you.

Use scrap paper to write the numbers this way. →

$$\begin{array}{r} {\scriptstyle 1}\,27 \\ +\ 45 \\ \hline 72 \end{array}$$




| Across | | Down | |
|---|---|---|---|
| a. | 27 + 45 | a. | 49 + 26 |
| c. | 54 + 38 | c. | 16 + 74 |
| d. | 27 + 43 | d. | 54 + 19 |
| f. | 77 + 16 | e. | 25 + 66 |
| g. | 48 + 13 | f. | 72 + 19 |
| h. | 19 + 12 | g. | 23 + 39 |
| i. | 26 + 26 | h. | 18 + 16 |
| j. | 68 + 18 | i. | 29 + 27 |
| l. | 27 + 38 | j. | 49 + 36 |
| m. | 25 + 25 | k. | 22 + 48 |




## BE CAREFUL!

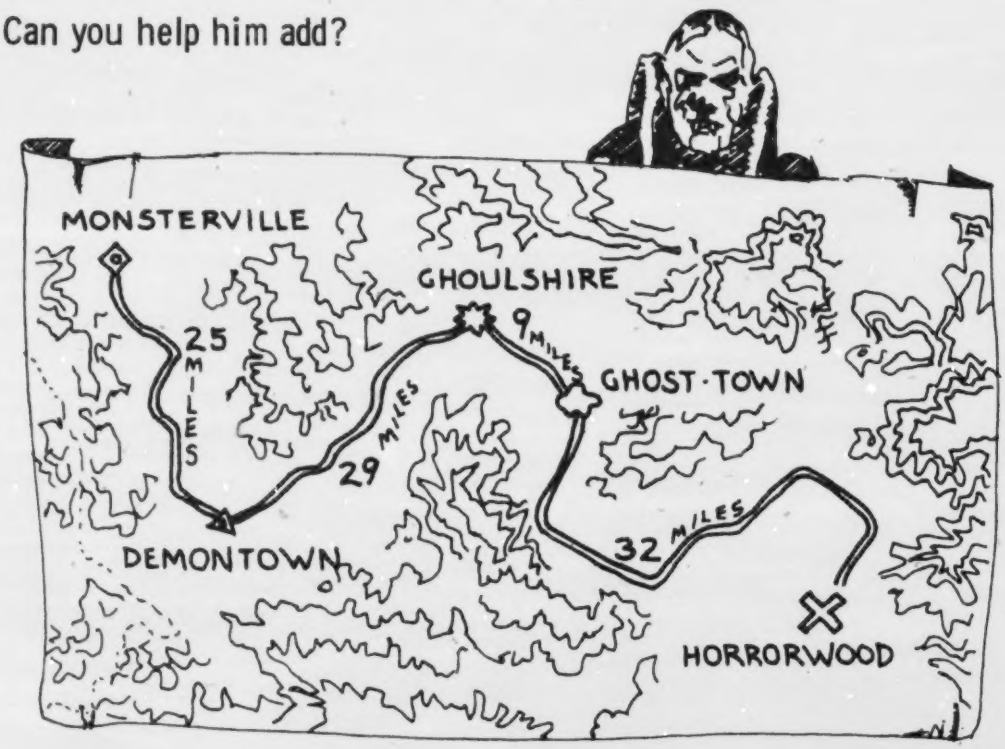
23 + 8 + 15 = ____

| | |
|---|---|
| 23<br>8<br>+ 15<br>NO! | 23<br>8<br>+ 15<br>YES! |

| | | |
|---|---|---|
| 47 + 3 + 24 = ____<br>47<br>3<br>+ 24 | 18 + 23 + 4 = ____ | 43 + 5 + 29 + ____ |
| 6 + 17 + 21 = ____ | 8 + 19 + 62 = ____ | 4 + 18 + 49 = ____ |

| | | | |
|---|---|---|---|
| 67<br>3<br>+ 18 | 22<br>37<br>+ 9 | 8<br>43<br>+ 7 | 7<br>5<br>+ 24 |

This vampire has to go from Monsterville to Horrorwood. He is looking at a map to see how many miles he must go.
Can you help him add?




From Monsterville to Demontown ____ miles 25

From Demontown to Ghoulshire ____ miles 29

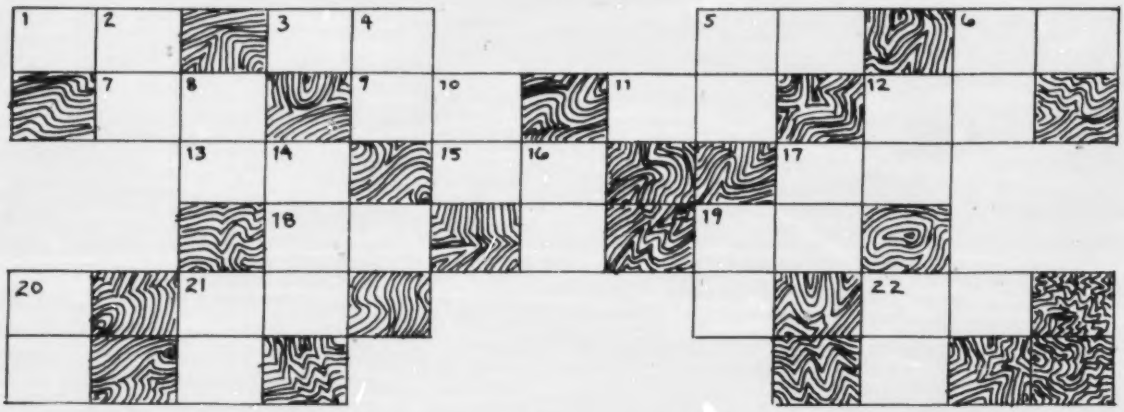
From Ghoulshire to Ghost-town ____ miles 9

From Ghost-town to Horrorwood ____ miles + 32

If he stayed overnight at a graveyard in Ghoulshire, how many more miles would he have to go the next day? _____

| (a) | (b) | (c) | (d) | (e) | (f) | (g) | (h) |
|---|---|---|---|---|---|---|---|
| 49 | 86 | 28 | 49 | 53 | 45 | 28 | 17 |
| + 22 | + 4 | + 9 | + 27 | + 7 | + 45 | + 43 | + 20 |
| 71 | | | | | | | |

| (i) | (j) | (k) | (l) | (m) | (n) | (o) | (p) |
|---|---|---|---|---|---|---|---|
| 42 | 76 | 27 | 8 | 44 | 15 | 38 | 82 |
| + 18 | + 14 | + 49 | + 29 | + 27 | + 45 | + 38 | + 8 |



## ACROSS

1. 26 + 6
3. 28 + 5
5. 69 + 2
6. 29 + 2
7. 45 + 7
9. 76 + 6
11. 34 + 9
12. 49 + 9
13. 18 + 8
15. 11 + 8
17. 26 + 29
18. 16 + 29
19. 17 + 16
21. 19 + 8
22. 48 + 16

## DOWN

2. 18 + 7
4. 29 + 9
5. 49 + 24
6. 19 + 19
8. 18 + 4
10. 14 + 7
12. 37 + 18
14. 29 + 35
16. 63 + 28
17. 29 + 24
18. 38 + 9
19. 23 + 7
20. 44 + 29
21. 19 + 5
22. 39 + 26

CARRY THROUGH THIS REVIEW.

Match -- Draw lines.

| | | | |
|---|---|---|---|
| 63 + 9 | 39 + 12 | 43 + 27 | 28 + 56 |
| 47 + 4 | 22 + 18 | 79 + 11 | 14 + 7 |
| 18 + 12 | 37 + 28 | 56 + 28 | 45 + 45 |
| 59 + 6 | 67 + 5 | 37 + 19 | 35 + 35 |
| 35 + 5 | 15 + 15 | 16 + 5 | 29 + 27 |

Add. (Circle) the carrying problems.

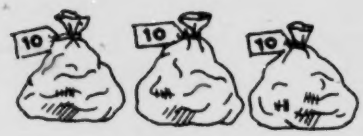
| | | | |
|---|---|---|---|
| 57<br>+ 32 | 18<br>3<br>+ 21 | 47<br>+ 6 | 63<br>24<br>+ 12 |
| 48<br>4<br>+ 16 | 24<br>+ 48 | 36<br>24<br>+ 9 | 25<br>+ 5 |

Igor has a problem.

He has 2 snakes, but he owes Wolfman 4 snakes.

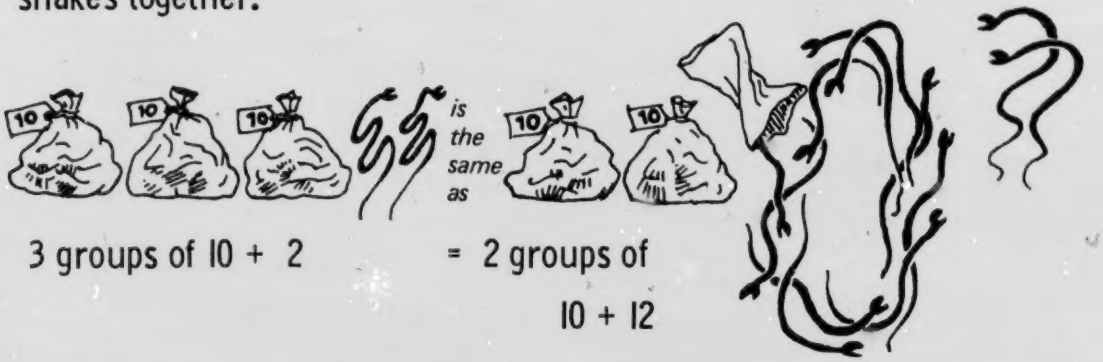
Wolfman wants them NOW, or else!

He will eat poor Igor.




Igor's friend, Frankenstein, has 3 bags of snakes. There are 10 snakes in each bag. So, he has 3 tens or 30 snakes.

Frankenstein agreed to help his friend Igor. They put all their snakes together.




3 groups of 10 + 2 = 2 groups of 10 + 12

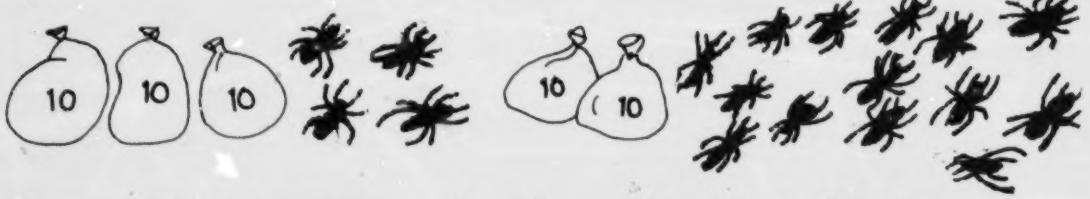
Between them they had 30 + 2 or → 32 snakes

Igor gave 4 to Wolfman - 4 snakes

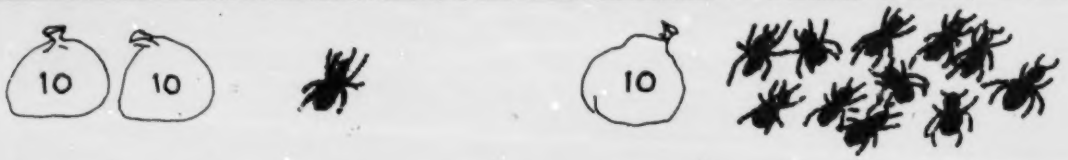
There were 28 left. 28 snakes

32 - 4 = 28

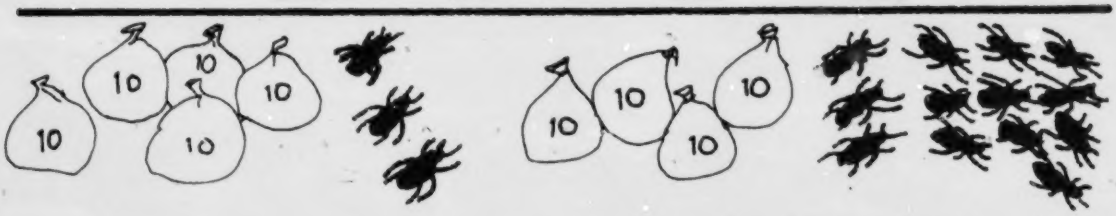
Can you put spiders together in a different way?



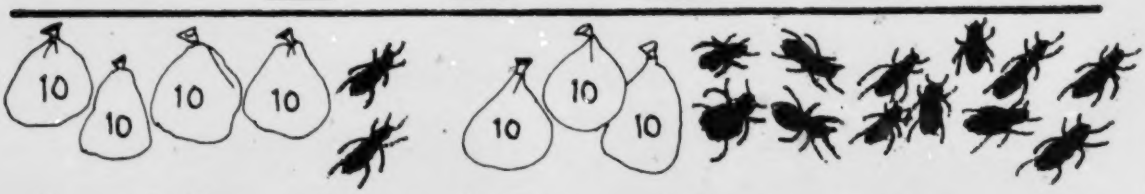

34 = 3 tens + 4 ones = 2 tens + 14 ones



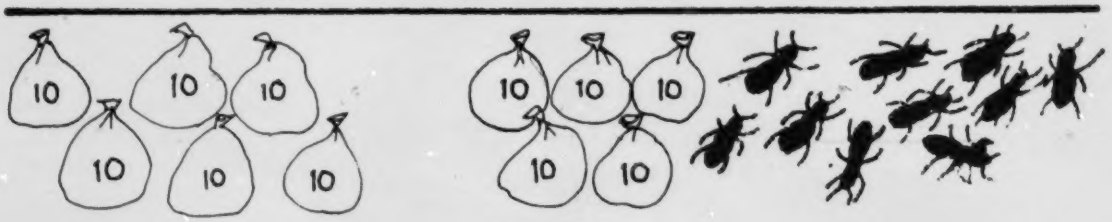

21 = ___ tens + ___ ones = ___ tens + ___ ones




53 = ___ tens + ___ ones = ___ tens + ___ ones




42 = ___ tens + ___ ones = ___ tens + ___ ones




60 = ___ tens + ___ ones = ___ tens + ___ ones

## Fill in the blanks.

| | |
|---|---|
| 47 = 40 + 7 or 30 + 17 | 40 = ___ + 0 or 30 + 10 |
| 64 = 60 + 4 or 50 + 14 | 83 = 80 + ___ or ___ + 13 |
| 56 = 50 + 6 or ___ + 16 | 27 = ___ + 7 or ___ + 17 |
| 36 = ___ + 6 or 20 + 16 | 70 = 70 + ___ or ___ + 10 |
| 75 = 70 + ___ or ___ + 15 | 81 = ___ + 1 or 70 + ___ |
| 62 = ___ + 2 or 50 + ___ | 30 = ___ + 0 or ___ + 10 |

## Match

| | | | |
|---|---|---|---|
| 40 + 8 | 50 + 13 | 30 + 9 | 30 + 12 |
| 60 + 3 | 70 + 10 | 70 + 6 | 20 + 19 |
| 90 + 1 | 30 + 18 | 20 + 4 | 60 + 16 |
| 80 + 0 | 40 + 17 | 40 + 2 | 80 + 15 |
| 50 + 7 | 80 + 11 | 90 + 5 | 10 + 14 |

G-15

# can it be done?

Write Yes or No. If you put Yes, then do the problem.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 4 − 2 = 2 | Yes | 7 − 9 = | No | 8 − 4 = | ____ | 11 − 10 = | ____ |
| 8 − 9 = | ____ | 14 − 16 = | ____ | 3 − 1 = | ____ | 8 − 7 = | ____ |
| 3 − 2 = | ____ | 2 − 3 = | ____ | 5 − 6 = | ____ | 9 − 8 = | ____ |
| 2 − 5 = | ____ | 7 − 5 = | ____ | 8 − 3 = | ____ | 4 − 6 = | ____ |
| 0 − 3 = | ____ | 0 − 8 = | ____ | 7 − 0 = | ____ | 1 − 4 = | ____ |

# HOW TO BORROW

LOOK → 52 − 17 — You cannot take 7 away from 2. So you must borrow.

BORROW → $\overset{4}{\cancel{5}}\,12$ − 17 — Take 1 away from 5, and make the 5 a 4. Put the 1 by 2 and make it 12.

SUBTRACT → $\overset{4}{\cancel{5}}\,12$ − 17 = 35 — 12 − 7 = 5; 4 − 1 = 3

Try these:

| | | | | | |
|---|---|---|---|---|---|
| 40 − 5 → $\overset{3}{\cancel{4}}0$ − 5 = 35 | 30 − 6 | 20 − 3 | 50 − 6 | 90 − 1 |
| 60 − 2 | 40 − 8 | 70 − 9 | 80 − 4 | 30 − 7 | 80 − 9 |

Help Wolfman **run** the relay race.

START

$\begin{array}{r} {}^{2}\not{3}\not{0} \\ -\ 6 \\ \hline 24 \end{array}$ $\begin{array}{r} {}^{3}\not{4}\not{0} \\ -\ 6 \\ \hline 34 \end{array}$ $\begin{array}{r} 50 \\ -\ 6 \\ \hline \end{array}$ $\begin{array}{r} 60 \\ -\ 6 \\ \hline \end{array}$ $\begin{array}{r} 70 \\ -6 \\ \hline \end{array}$

$\begin{array}{r} 60 \\ -\ 3 \\ \hline \end{array}$

$\begin{array}{r} {}^{8}\not{9}\not{0} \\ -\ 3 \\ \hline 87 \end{array}$ $\begin{array}{r} {}^{1}\not{2}\not{0} \\ -\ 3 \\ \hline 17 \end{array}$ $\begin{array}{r} 40 \\ -\ 3 \\ \hline \end{array}$ $\begin{array}{r} 30 \\ -\ 3 \\ \hline \end{array}$

$\begin{array}{r} {}^{5}\not{6}\not{0} \\ -\ 8 \\ \hline 52 \end{array}$

$\begin{array}{r} 40 \\ -\ 8 \\ \hline \end{array}$ $\begin{array}{r} 70 \\ -\ 8 \\ \hline \end{array}$ $\begin{array}{r} 50 \\ -\ 8 \\ \hline \end{array}$ $\begin{array}{r} 90 \\ -\ 8 \\ \hline \end{array}$

$\begin{array}{r} {}^{2}\not{3}\not{0} \\ -\ 1 \\ \hline 29 \end{array}$

$\begin{array}{r} {}^{1}\not{2}\not{0} \\ -\ 2 \\ \hline 18 \end{array}$ $\begin{array}{r} 40 \\ -\ 5 \\ \hline \end{array}$ $\begin{array}{r} 60 \\ -\ 7 \\ \hline \end{array}$ $\begin{array}{r} 80 \\ -\ 9 \\ \hline \end{array}$

$\begin{array}{r} 50 \\ -\ 5 \\ \hline \end{array}$

$\begin{array}{r} 90 \\ -\ 9 \\ \hline \end{array}$ $\begin{array}{r} 70 \\ -\ 7 \\ \hline \end{array}$ $\begin{array}{r} 40 \\ -\ 4 \\ \hline \end{array}$

FINISH

1 LOOK → 36
- 9

You cannot take 9 from 6, so you have to borrow.

2 BORROW → $\overset{2}{3}\,{}^{1}6$
- 9

Take 1 from 3 and make 3 a 2. Put the 1 by 6 and make it 16.

3 SUBTRACT → $\overset{2}{3}\,{}^{1}6$
- 9
27

16 - 9 = 7
2 - 0 = 2

Now try these:

| | | | | |
|---|---|---|---|---|
| $\overset{3}{4}\,{}^{1}6$<br>- 9<br>37 | 32<br>- 5 | 53<br>- 7 | 63<br>- 8 | 94<br>- 6 |
| 71<br>- 5 | 85<br>- 6 | 61<br>- 7 | 32<br>- 8 | 56<br>- 8 |

If Dracula wanted to have a friendly afternoon snack, what kind of person would he go with?

$40 - 5 = L$

$27 - 8 = W$

$56 - 8 = N$

$70 - 3 = E$

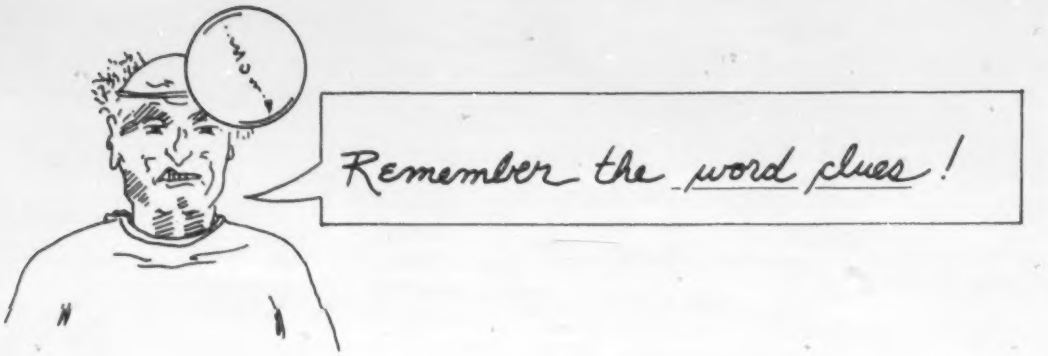
$47 - 9 = T$

$61 - 4 = U$

$88 - 9 = R$ $\quad$ $90 - 4 = H$ $\quad$ $22 - 8 = O$ $\quad$ $35 - 9 = A$ $\quad$ $50 - 1 = B$

$46 - 8 = V$ $\quad$ $30 - 2 = D$ $\quad$ $63 - 7 = I$

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 86 | 67 | 19 | 14 | 57 | 35 | 28 | 48 | 67 | 67 | 28 | 26 | | |
| 49 | 35 | 14 | 14 | 28 | 79 | 67 | 35 | 26 | 38 | 56 | 38 | 67 | |




1. Dracula is driving to his brother's house, 30 miles away. He has gone 9 miles. How many more miles must he drive?

   _____

2. He took 83 bats with him, but 7 bats flew away. How many are left?

   _____

3. When he started, Dracula had 70 bags of food. The bats ate 7 of them. How many bags does he have left? _____

4. Dracula had 20 gallons of gas put into his tank last week. Now there are only 8 gallons left. How many gallons of gas has the car used?

   _____

5. There are 35 monsters in his brother's house. Dracula has gifts for only 8 of them. How many more must he buy to have a gift for everyone?

   _____

# Can you find how many are left?

| | | | | |
|---|---|---|---|---|
| $\overset{4}{5}\overset{1}{\not}0$<br>$-25$<br>$25$ | 80<br>$-35$ | 40<br>$-15$ | 90<br>$-45$ | 70<br>$-45$ |
| $\overset{5}{6}\overset{1}{\not}0$<br>$-25$<br>$35$ | 80<br>$-15$ | 70<br>$-35$ | 90<br>$-65$ | 40<br>$-25$ |
| $\overset{6}{7}\overset{1}{\not}0$<br>$-48$<br>$22$ | 60<br>$-26$ | 50<br>$-32$ | 40<br>$-19$ | 30<br>$-13$ |
| $\overset{2}{3}\overset{1}{\not}0$<br>$-16$<br>$14$ | 40<br>$-21$ | 60<br>$-34$ | 80<br>$-57$ | 60<br>$-21$ |
| $90$<br>$-35$ | 70<br>$-23$ | 50<br>$-24$ | 30<br>$-25$ | 40<br>$-17$ |
| $80$<br>$-63$ | 60<br>$-45$ | 40<br>$-22$ | 50<br>$-35$ | 70<br>$-56$ |

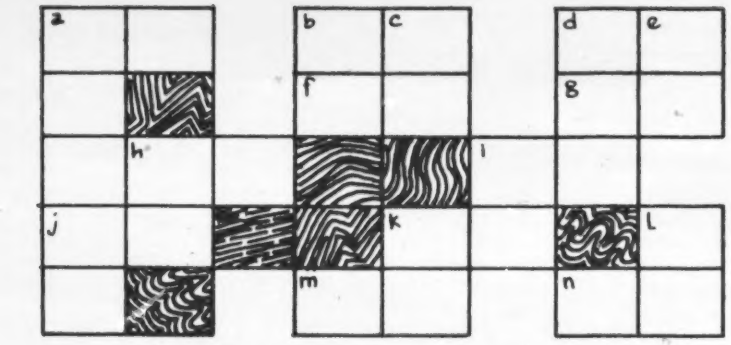
MATCH THE PROBLEMS WITH THE ANSWERS.

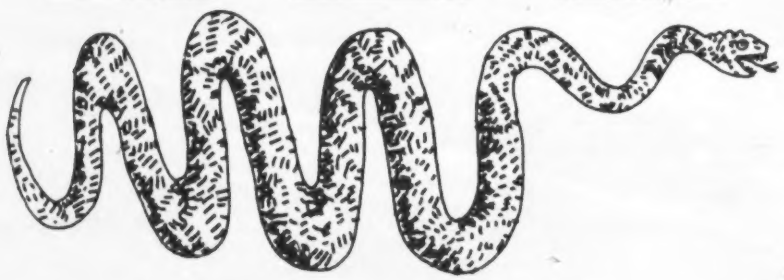
| | | | |
|---|---|---|---|
| 20 - 7 | 79 | 34 | 70 - 25 |
| 40 - 16 | 67 | 19 | 90 - 47 |
| 88 - 9 | 13 | 43 | 36 - 9 |
| 83 - 6 | 57 | 27 | 42 - 8 |
| 75 - 8 | 24 | 45 | 80 - 61 |
| 80 - 23 | 77 | 59 | 67 - 8 |

Check this for Igor. He is not sure he did them all right. Please <u>correct</u> any that are wrong.

| | | | | |
|---|---|---|---|---|
| 50<br>-26<br>~~44~~ 24 | 32<br>- 9<br>21 | 40<br>-25<br>25 | 60<br>- 8<br>52 | 43<br>- 7<br>26 |
| 76<br>- 8<br>68 | 90<br>-55<br>43 | 80<br>-22<br>68 | 64<br>- 6<br>48 | 70<br>-31<br>39 |

# A Borrowing Puzzle



## ACROSS

a. 40 - 19
b. 90 - 25
d. 80 - 28
f. 80 - 15
g. 30 - 17
h. 40 - 22
i. 90 - 71
j. 80 - 63
k. 60 - 34
m. 30 - 12
n. 50 - 27

## DOWN

a. 70 - 49
b. 80 - 14
c. 90 - 35
d. 80 - 29
e. 70 - 47
g. 80 - 61
h. 50 - 33
i. 60 - 44
j. 70 - 55
k. 60 - 32
l. 90 - 27

G-24